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Result
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Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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       length: 0
length: 2000000000
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Match
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1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfIles1.pep:*
     100.00
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       GenCore version (c) 1993 - 2005
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PCT-US96-01720-7
US-08-900-230-43
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PCT-US96-08811-2
US-08-836-6868-4
US-08-836-6868-5
US-08-836-6868-5
US-08-836-6868-2
US-08-836-6868-2
US-08-785-530-1
US-08-785-530-1
US-08-785-530-3
US-08-785-530-5
US-08-785-530-5
US-08-785-530-5
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US-09-123-850-6
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Compugen Ltd.
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Best Local
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Sequence 5, Appl	3 US-09-230-180-5	84	100.0	59	45
Sequence 52489	4 US-09-270-767-52489	83	100.0	59	44
Sequence 37272	4 US-09-270-767-37272	83	100.0	59	43
Sequence 22767	4 US-09-252-991A-22767	82	100.0	59	42
Sequence 53652	4 US-09-270-767-53652	79	100.0	59	41
Sequence 38435	4 US-09-270-767-38435	79	100.0	59	40
Sequence 2,	4 US-09-819-058-2	74	100.0	59	39
Sequence 131	4 US-09-312-283C-131	70	100.0	59	38
Sequence 131,	3 US-09-188-930-131	70	100.0	59	37
Sequence 24565,	US	69	100.0	59	36
	1 US-08-138-340B-2	68	100.0	59	35
Sequence 1, Appli	1 US-07-924-063A-1	83	100.0	59	34
Sequence 1, Appli	Sn	83	100.0	59	33
Sequence 50053	4 US-09-270-767-50053	62	100.0	59	32
Sequence 34836	4 US-09-270-767-34836	62	100.0	59	31
Sequence 5,	3 US-07-780-717C-5	62	100.0	59	30
Sequence 6675	4 US-09-949-016-6675	61	100.0	59	29
Seguence 272	4 US-09-919-039-272	61	100.0	59	82

ALIGNMENTS

Sequence 43, Application US/08900230 Patent No. 6329197 GENERAL INFORMATION: APPLICANT: Bard, Jonathan A. TITLE OF INVENTION: DNA ENCODING TITLE OF INVENTION: USES THEREOF NUMBER OF SEQUENCES: 59 Sequence 7, Application PC/TUS9601720 GENERAL INFORMATION: REFERENCE/DOCKET NUMBER: : INFORMATION FOR SEQ ID NO: 7: PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/: APPLICATION NUMBER: US 08/: PILING DATE: 09-FEB-1995 ATTORNEY/AGENT INFORMATION: NAME: Parmelee, Steven W. REGISTRATION NUMBER: 31,99 MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version CURRENT APPLICATION DATA: SEQUENCE CHARACTERISTICS: LENGTH: 41 amino acids TYPE: amino acid APPLICANT: TITLE OF INVENTION: NUMBER OF SEQUENCES: 1: COMPUTER READABLE FORM: APPLICATION NUMBER: PCT/US96/01720 FILING DATE: Local Similarity 14.8%; Pred. No. 2.3e+02; es 4; Conservative 23, Minner-13 CCTCGGGCACCACCGAAGCTAACGCTT protein single . Jonathan A. NN: DNA ENCODING GALANN GALR3 RECEPTORS AND NN: USES THEREOF LES: 59 MODIFIED-AFFINITY STREPTAVIDIN 08/387,055 16336-5PC #1.25 Length 41; Indels .. 0

Gaps

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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/900,230
FILING DATE: 23-JUL-1997
CLASSIFICATION: 435
ATTOCDATE THEODRACH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 44, Application US/08900230 Patent No. 6329197 GENERAL INFORMATION:
APPLICANT: Bard, Jonathan A.
                              ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52:
TELECOMMUNICATION INFORMATION:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION NUMBER: US/08/900,230
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 28,678
REGISTRATION UMBER: 28,678
REGISTRATION INFORMATION:
TELEPHONE: 212-278-0400
TELEPHONE: 212-278-0400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLp
STREET: 1185 Avenue of The Americas
CITY: New York
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: DNA ENCODING GALANN GALR3 RECEPTORS AND TITLE OF INVENTION: USES THEREOF NUMBER OF SEQUENCES: 59
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MEDIUM TYPE: Floppy
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ADDRESSEE: Cooper & Dunham LLp
STREET: 1185 Avenue of The Americas
CITY: New York
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TYPE: amino acid
STRANDEDNESS: single
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                                                     52241-C/JPW/ADM
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; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-900-230-44
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TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Patent No.
                                                                                                                                                                                                                                               HYPOTHETICAL:
ANTI-SENSE: /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52241-C/JPW/ADM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/900,230
FILING DATE: 23-UUL-1997
CLASSIFICATION: 435
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
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TYPE: amino acid
STRANDEDNESS: single
3 CCACAGGCACTGCCACGGCCCCCACAC 29
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(CANT: Bard, Jonathan A.
(CANT: B
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                                                                                          100.0%; Score 59; DB 3;
14.8%; Pred. No. 2.6e+02;
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                                                                                                                                         Length 45;
                                                                                          Indels
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STATE: N

New York

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US-08-900-230-43

MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO

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TOPOLOGY:

linear

Matches Query Match

Local Similarity

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PCT-US96-08811-2
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Patent No. 6329197
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application PC/TUS9608811
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
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MEDIUM TYPE: Floppy di
COMPUTER: IBM PC compo
OPERATING SYSTEM: PC-COMPUTER: PC-COMPU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212,278-0400
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,
COMPUTER: IBM
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: VERNON, Leo P., RAEL, Eppie D. and
APPLICANT: GASANOV, Sardar E.
TITLE OF INVENTION: Pyrularia thionin containing
TITLE OF INVENTION: immunotoxins and immunotoxin-like compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: sir
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/900,230 FILING DATE: 23-JUL-1997 CLASSIFICATION: 435
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STATE: New York
COUNTRY: U.S.A.
                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET:
                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
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                                                                                                                                                                                                                     Salt Lake City
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                                                                                                                                                                                   Utah
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                                                                                                                                                                                                                                                            Main Street
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1185 Avenue of The Americas
                                                                                                                                                                                                                                                                                      3: MADSON & METCALF
950 First Interstate Building, 170 South
                                                                                                                                                 USA
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                          1,44
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                                      Mb storage
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                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION: APPLICANT: Voerman
                                                                                                                                            SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3, Application US/08836686B Patent No. 6239106
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TITLE OF INVENTION: J
TITLE OF INVENTION: 1
FILE REFERENCE: 70140
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HYPOTHETIC...

ANTI-SENSE: no
ORIGINAL SOURCE:
ORGANISM: Pyrularia pubera
ORGANISM: Pyrularia pubera
TYPE: leaves and nuts
ORGANISM: TYPE:
                                                                                                                                                                               PRIOR APPLICATION NUMBER: EPO 94117053.2
PRIOR FILING DATE: 1994-10-28
PRIOR APPLICATION NUMBER: EPO 95103637.5
PRIOR FILING DATE: 1995-03-14
PRIOR APPLICATION NUMBER: PCT/EP95/04223
PRIOR FILING DATE: 1995-10-27
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/08/836,686B CURRENT FILING DATE: 1998-03-27
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NAME/KEY: PEPTIDE LOCATION: (1)..(50)
OTHER INFORMATION: part of a proteinaceous or polypeptide-like
                                                                                 TYPE: PRT
ORGANISM: Limnatis nilotica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: unk
MOLECULE TYPE:
HYPOTHETICAL:
                                                                   FEATURE:
                                                                                                                           LENGTH: 50
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AUTHORS: Vernon, Leo P., Evett, Gary E., Zeikus,
AUTHORS: Regina D. and Gray, William R.
TITLE: A Toxic Thionin from Pyrularia pubera:
TITLE: Purification, properties, and Amino Acid Sequence
JOURNAL: Archives of Biochemistry and Biophysics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PAGES: 18-29
DATE: April 1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: L. Craig Metcalf
REGISTRATION NUMBER: 31,398
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                                                                                                                                                                   Patentin Ver.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Gerard
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FILE REFERENCE: 70140

CURRENT APPLICATION NUMBER: US/08/836,686B

CURRENT FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: EPO 94117053.2

PRIOR FILING DATE: 1994-10-28

PRIOR APPLICATION NUMBER: EPO 95103637.5

PRIOR FILING DATE: 1995-03-14

PRIOR FILING DATE: 1995-03-14

PRIOR FILING DATE: 1995-00-27

PRIOR FILING DATE: 1995-10-27
NUMBER OF SEQ ID NOS:
SOFTWARE: PatentIn Ve.
SEQ ID NO 5
SEQ ID NO 5
LENGTH: 50
TYPE: PRT
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Best Local S
Matches 4
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ITITLE OF INVENTION: A novel family of protea
FILE REFERENCE: 70140
FILE REFERENCE: 70140
CURRENT APPLICATION NUMBER: US/08/836,686B
CURRENT FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: EPO 94117053.2
PRIOR FILING DATE: 1994-10-28
PRIOR FILING DATE: 1994-10-28
PRIOR FILING DATE: 1995-03-14
PRIOR APPLICATION NUMBER: EPO 95103637.5
PRIOR APPLICATION NUMBER: DEO/EDS/04223
PRIOR APPLICATION NUMBER: DEO/EDS/04223
PRIOR FILING DATE: 1995-10-27
VMMBER OF SEQ ID NOS: 11
SOFTWARE: DATE: 1995-10-27
SOFTWARE: DATE: TANGER OF SEQ ID NOS: 11
SOFTWARE: DATE: TANGER OF SEQ ID NOS: 11
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Patent No. 6239106
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SEQ ID NO 4
LENGTH: 50
TYPE: PRT
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                                                                                                                                                                                                                                            APPLICANT: Voerman, Gerard
TITLE OF INVENTION: A novel family of protease inhibitors, and other
TITLE OF INVENTION: biologic active substances
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANIAM: Limnatis nilotica
FEATURE:
NAME/KEY: PEPTIDE
LOCATION: (1)..(50)
OTHER INFORMATION: part of a proteinaceous or peptide-like substance
OTHER INFORMATION: from Limnatis nilotica
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Best Local :
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                                                          PatentIn Ver.
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14.8%; Pred. No. 2.9e+02;
tive 23; Mismatches (
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14.8%; Pred. No. 2.9e+02;
tive 23; Mismatches C
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Sequence 8, Application US/08900230
Patent No. 6329197
GENERAL INFORMATION:
APPLICANT: Bard, Jonathan A.
TITLE OF INVENTION: DNA ENCODING GATTILE OF INVENTION: USES THEREOF
UMMBER OF SEQUENCES: 59
                                                                                                                                                                                                                                                                                       US-08-900-230-8
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PRIOR APPLICATION NUMBER: EPO 94117053.2
PRIOR APPLICATION NUMBER: EPO 94117053.2
PRIOR FILING DATE: 1994-10-28
PRIOR APPLICATION NUMBER: EPO 95103637.5
PRIOR APPLICATION NUMBER: EPO 95103637.5
PRIOR APPLICATION NUMBER: PCT/EP95/04223
PRIOR APPLICATION NUMBER: PCT/EP95/04223
PRIOR APPLICATION NUMBER: PCT/EP95/04223
PRIOR FILING DATE: 1995-10-27
NUMBER OF SEQ ID NOS: 11
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US-08-836-686B-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-836-686B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Voerman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6, Application US/08836686B
Patent No. 6239106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Voerman, Gerard
TITLE OF INVENTION: A novel family of protease inhibitors, and other
TITLE OF INVENTION: biologic active substances
FILE REFERENCE: 70140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: PEPTIDE
LOCATION: (1)..(50)
OTHER INFORMATION: part of a proteinaceous or peptide-like substance
OTHER INFORMATION: from Limnatis nilotica
                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLp
STREET: 1185 Avenue of The Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 50
TYPE: PRT
ORGANISM: Limnatis nilotica
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (1)..(50)
OTHER INFORMATION: part of a proteinaceous of peptide-like substance
OTHER INFORMATION: from Limnatis nilotica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Limnatis nilotica FEATURE: NAME/KEY: PEPTIDE LOCATION: (1)..(50)
                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                          24 PIRCRIYCPKGFEVDENGCELPCTCKQ 50
                                                                                                                                                                                                                                                                                                                                                                                           11036
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                                                                         New York
                                                                                                                                                                                                                                                                                                                                                                                                                                            4.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PatentIn Ver. 2.1
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                                    U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 59; DB 3; 14.8%; Pred. No. 2.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 59; DB 3; 14.8%; Pred. No. 2.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                   23; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23;
                                                                                                                                                                                GALANN GALR3 RECEPTORS AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                               0;
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US-08-836-686B-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 2
LENGTH: 51
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION: APPLICANT: Voerman
                                                                                                                                    Matches
                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY: PEPTIDE
LOCATION: (1)..(30)
OTHER INFORMATION: p
OTHER INFORMATION: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/08836686B Patent No. 6239106
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: PCT/EP95/04223
PRIOR FILING DATE: 1995-10-27
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Paranta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/08/836,686B CURRENT FILING DATE: 1998-03-27 PRIOR APPLICATION NUMBER: EPO 94117053.2 PRIOR FILING DATE: 1994-10-28 PRIOR APPLICATION NUMBER: EPO 95103637.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Voerman, TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 5224
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Limnatis nilotica
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TACTERISTICS:

ACTERISTICS:

ACTE
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ANTI-SENSE: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/0
FILING DATE: 23-JUL-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
24 PIRCLIFCPNGFAVDENGCELPCSCKH 50
                                                                  Similarity
4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4
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                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                 part of a substance
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A novel family of protease inhibitors, and other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gerard
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                                                                                                                                                                                                                                                                                                    proteinaceous or polypeptide-like
from Limnatis nilotica
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Pred. No. 2.9e+02;
                                                                                                                                 Score 59; DB 3;
Pred. No. 2.9e+02;
3; Mismatches 0
                                                                                                                                    0
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RESULT 14
US-08-785-530-1
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US-08-369-829A-1
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
1.FNGTH: 55 amino acids
                                                                                                                                                           Sequence 1, Application US/08785530 Patent No. 5814480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No. 5861377
                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                              GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/369,829A
FILING DATE: 6-JAN-95
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EPO 94810006.0
FILING DATE: 7-JAN-94
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5861377ak, Henry P.
REGISTRATION NUMBER: 33200
REFERENCE/DOCKET NUMBER: 4-19942/A/DI
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Christian Sommerhoff APPLICANT: Jutta Heim
                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Hans Fritz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: East Hanover
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
CITY: Palo Alto
STATE: CA
                              STREET:
                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                             Local
                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: /label= hirustasin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COPOLOGY:
                                                                                                                                                                                                                                                              26 EVHCRIRCKYGLKKDENGCEYPCSCAK 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION:
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                                                                                                                                                                                                                                                                                                                               Similarity
4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Application US/08369829A
                                  E: Incyte Pharmaceuticals, Inc
3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: No. 5861377artis Corporation 59 Route 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                Protein
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                                                                                                                                                                                                                                                                                                                             Score 59; DB 2;
Pred. No. 3.2e+02;
3; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Version
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                                                                                                                                                                                                                                                                                                                                                            Length 55;
                                                                                                                                                                                                                                                                                                                                 Indels
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COMPUTER READABLE FORM: MEDIUM TYPE: Diskett

E: Diskette IBM Compatible

94304

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RESULT 15
US-08-785-530-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3, Application US/0878530 Patent No. 5814480
                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.

APPLICANT: Goli, Surya K.

TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 59; DB 2; Length 61; Best Local Similarity 18.5%; Pred. No. 3.5e+02; Matches 5; Conservative 22; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Compatible
ODERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,530
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
APPLICATION NUMBER:
                                                                                APPLICATION NUMBER: US/
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 61 amino acids
                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: pp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single TOPOLOGY: linear IMMEDIATE SOURCE: LIBRARY: Consensus CLONE: 977891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEPHONE: 415-855-0555
TELEPEX: 415-845-4166
                                                                                                                                                                                                                                                                                                                                          STREET: 31.
CITY: Palo Alto
CTATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26 CTXCKKSCCSCCPVGCAKCAHGCVCKG 52
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linear
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PF-0194 US
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; TOPOLOGY: linear;
; IMMEDIATE SOURCE;
; LIBRARY: GenBank
; CLONE; 386962
US-08-785-530-3
Search completed: February 15, 2005, 18:03:04 Job time: 2.6517 secs
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                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 61 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                      Matches
                                                                                                                                                                  Query Match
                                                                                                                        Match 100.0%; Score 59; DB 2; Local Similarity 14.8%; Pred. No. 3.5e+02; Local 4; Conservative 23; Mismatches 0
                                                              26 CTSCKKCCCSCCPVGCAKCAQGCVCKG 52
                                                                                          Length 61;
                                                                                                                            Indels
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0,

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Result
No.
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Maximum DB seq length: 200000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                   Score
     Query
Match
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59
1 XXXCXXXCXXXXXXX
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100.0
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Published Applications AA:*

| cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB_pep:*
| cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB_pep:*
| cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                          / Cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US09E_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US09E_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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                                                                                                                                                                                                                                  Length
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     GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd
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               US-09-331-631A-31

US-10-147-095-34

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US-09-883-727A-121

US-09-883-727A-71

US-09-883-727A-71

US-09-883-727A-71

US-09-883-727A-72

US-09-883-727A-74

US-09-883-727A-74

US-09-883-727A-74

US-09-883-727A-85

6 US-10-380-927-24
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     US-10-424-599-178866
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Sequence 31, Appl
Sequence 34, Appl
Sequence 34, Appl
Sequence 34, Appl
Sequence 53, Appl
Sequence 60, Appl
Sequence 71, Appl
Sequence 74, Appl
Sequence 77, Appl
Sequence 24, Appl
Sequence 28, Appl
Sequence 28, Appl
Sequence 24, Appl
Sequence 24, Appl
Sequence 24, Appl
Sequence 24, Appl
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179, 5, Ag	Sequence 445, App	e 20827	e 18819	Sequence 302, App		241	239	272	245	195	e 31,	120,	115,	284		Ø	_	e 33022,	õ	N	e 15	52	44	43	e 20246	e 406	e 408,	~

ALIGNMENTS

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APPLICANT: Marners, John M.

APPLICANT: Marcus, John Paul

APPLICANT: Goulter, Kenneth C.

APPLICANT: Green, Jodie L.

APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A

CURRENT FILING DATE: 1999-06-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-331-631A-31
                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.1
SEQ ID NO 31
LENGTH: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 31, Application US/09331631A Patent No. US20020168392A1
                                                                                                               Query Match
                                                                            Matches
                                                                                                                                                                                                                     LENGTH: 27
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                         OTHER INFORMATION: Consensus sequence for antimicrobial peptides OTHER INFORMATION: wherein {\bf X} is any amino acid.
                                                                                                                                                                                                                   FEATURE:
                                                                                                 Local
                  Similarity
cxxcxxxcxxxxxxxxxxxxxxx
                                                                            Conservative
                                                                                           100.0%;
                                                                          Pred. No. 3.3e+02;
2; Mismatches 0
                                                                              0
                                                                                                               Length 27;
                                                                              Indels
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; OTHER INFORMATION: Consensus sequence for antimicrobial peptides; OTHER INFORMATION: wherein X is any amino acid.
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APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
CURRENT FILING DATE: 2002-05-15
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                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 31
SEQ ID NO 31
                                                                             Query Match
Best Local
                                      Matches
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APPLICANT: Marcus, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILLE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
FRICA APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
PRIOR PILING DATE: 1996-12-20
PRIOR FILING PRIOR PR
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Publication No.
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TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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Best Local !
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LENGTH: 27
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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Patent No. US20020168392A1
GENERAL INFORMATION:
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les 27; Conservative
                          l Similarity 92.0
25; Conservative
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O. US20030171274A1
   100.0%; Score 59; DB 14; Length 27; 92.6%; Pred. No. 3.3e+02; tive 2; Mismatches 0; Indels
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100.0%; Pred. No. 3.3e+02;
. Mismatches 0;
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                                                                                                                 OTHER INFORMATION: Cls catalytic site-directed moiety US-09-883-727A-121
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APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLAR3,00.1APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR APPLICATION NUMBER: POT/AU97/00874
PRIOR FILING DATE: 1999-06-21
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20

NUMBER OF SEG ID NOS: 40
SOPTWARE: FASTSEQ for Windows Version 3.0
LENCTH. 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 5
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                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/883,727A
CURRENT FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 140
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-147-095-34
                                              Matches
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Common VS20020102256A1
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US-10-147-095-34
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                                                                                                                                                                                                                                                                                                   APPLICANT: West, Robert R.
APPLICANT: Sheppard, Paul O.
APPLICANT: Fox, Brian
TITLE OF INVENTION: Peptide and Polypeptide Inhibitors of
TITLE OF INVENTION: Complement C1s
FILE REFERENCE: 00-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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                                                                                                                                                                                                        ENGTH: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Manners, John
APPLICANT: Marcus, John
APPLICANT: Goulter, Kenr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Consensus sequence for antimicrobial peptides, OTHER INFORMATION: wherein X is any amino acid and the first and OTHER INFORMATION: last X are Phenylalanine or Tyrosine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence FEATURE:
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TYPE: PRT
27;
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27; Conservative
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Marcus, John Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Application US/10147095
To. US20030171274A1
                                                    100.0%; Score 59; DB 9; 14.8%; Pred. No. 3.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 59; DB 14;
100.0%; Pred. No. 3.3e+02;
tive 0; Mismatches 0;
                                    23;
                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . 3.3e+02;
ches 0;
                                                                 Length 29;
                                Indels
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                            0,
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                          Gaps
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APPLICANT: West, Robert R.
APPLICANT: Sheppard, Paul O.
APPLICANT: Fox, Brian
TITLE OF INVENTION: Peptide and Polypeptide Inhibitors of
TITLE OF INVENTION: Complement C1s
FILE REFERENCE: 00-33
CURRENT APPLICATION NUMBER: US/09/883,727A
CURRENT FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 140
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 53
LENCTH: 30
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                          RESULT 8
US-09-883-727A-71
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US-09-883-727A-60
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US-09-883-727A-53
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Sequence 71, Application US/09883727A Patent No. US20020102256A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:

APPLICANT: West, Robert R.

APPLICANT: Sheppard, Paul O.

APPLICANT: Fox, Brian

TITLE OF INVENTION: Peptide and Polypeptide Inhibitors

TITLE OF INVENTION: Complement C1s

FILE REFERENCE: 00-33
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                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/883,727A
CURRENT FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 140
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 60, Application US/09883727A Patent No. US20020102256A1
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                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                     LENGTH: 30
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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14.8%; Pred. No. 3.7e+02;
tive 23; Mismatches 0
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; OTHER INFORMATION: Cls catalytic site-directed moiety
US-09-883-727A-71
                                                                                                                                                                                                                            RESULT 10
US-09-883-727A-77
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US-09-883-727A-74
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US-09-883-727A-74
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TITLE OF INVENTION: Peptide and Polypeptide Inhibitors of
TITLE OF INVENTION: Complement C1s
FILE REFERENCE: 00-33
CURRENT APPLICATION NUMBER: US/09/883,727A
CURRENT FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 140
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 74
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TITLE OF INVENTION: Peptide and Polypeptide Inhibitors of
TITLE OF INVENTION: Complement C1s
FILE REFERENCE: 00-33
CURRENT APPLICATION NUMBER: US/09/883,727A
CURRENT FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 140
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 71
                                                                                                                                                                  Sequence 77, Application US/09883727A Patent No. US20020102256A1 GENERAL INFORMATION:
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Best Local :
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Best Local
APPLICANT: West, Robert R.
APPLICANT: Sheppard, Paul O.
APPLICANT: Fox, Brian
TITLE OF INVENTION: Peptide and Polypeptide Inhibitors of
TITLE OF INVENTION: Complement C1s
TITLE REFERENCE: 00-33
CURRENT PRILICATION NUMBER: US/09/883,727A
CURRENT FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 140
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TYPE: PRT
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TYPE: PRT
ORGANISM: Artificial Sequence
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Similarity 14.8%; Pred. No. 3.7e+02
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14.8%; Pred. No. 3.7e+02;
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SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 77

TYPE: PRT
ORGANISM: Artificial Sequence

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SOFTWARE: Fas
SOFTWARE: Fas
SEQ ID NO 24
FANCTH: 31
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US-10-380-927-24
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                                                                                                                                                             APPLICANT: LATTY W. KWAK
APPLICANT: ATYA Biragyn
TITLE OF INVENTION: VIRAL CHEMOKINE-ANTIGEN FUSION PROTEINS
FILE REFERENCE: 14014.0381U2
CURRENT APPLICATION NUMBER: US/10/380,927
CURRENT FILING DATE: 2003-12-04
PRIOR APPLICATION NUMBER: PCT/US01/29075
PRIOR FILING DATE: 2001-09-17
PRIOR FILING DATE: 2001-09-17
                                                                                                                                                                                                                                                                                                                Sequence 24, Application US/10380927
Publication No. US20040110165A1
GENERAL INFORMATION:
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US-09-883-727A-85
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FILE REFERENCE: 00-33
CURRENT APPLICATION INMBER: US/09/883,727A
CURRENT FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 140
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 85
LENGTH: 30
TYPE: PRT
                                                                                                                              NUMBER OF SEQ ID NOS:
                                                                                                                                         PRIOR APPLICATION NUMBER: 60/233,067
PRIOR FILING DATE: 2000-09-15
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Best Local
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; OTHER INFORMATION: Cls catalytic site-directed moiety
US-09-883-727A-77
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APPLICANT: West, Robert R.
APPLICANT: Sheppard, Paul O.
APPLICANT: Fox, Brian
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Best Local S
Matches 4
OTHER INFORMATION: Description of Artificial Sequence = Note
                                         ORGANISM: Artificial Sequence
                                                                    TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
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                                                                                                        FastSEQ for Windows Version 4.0
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3.7e+02;
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CURRENT APPLICATION UNMBER: US/10/380,927
CURRENT FILING DATE: 2003-12-04
FRIOR APPLICATION NUMBER: PCT/US01/29075
PRIOR FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: 60/233,067
PRIOR FILING DATE: 2000-09-15
PRIOR FILING DATE: 2000-09-15
SOFTMARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 26
LENGTH: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILING DATE: 2003-04-28
SEQ ID NO 178866
LENGTH: 38
TYPE: PPT
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Query Match 100.0%; Score 59; DB 16; Best Local Similarity 14.8%; Pred. No. 4.7e+02; Matches 4; Conservative 23; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Clone ID: PAT_MRT3847_132532C.1.pep US-10-424-599-178866
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 26, Applicate Publication No. US200 GENERAL INFORMATION:
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US-10-424-599-178866
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                                                                                                                                                                      LENGTH: 38
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Larry W. Kwak
APPLICANT: Arya Biragyn
TITLE OF INVENTION: VIRAL CHEMOKINE-ANTIGEN FUSION PROTEINS
FILE REFERENCE: 14014.0381U2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                 OTHER INFORMATION: Description of Artificial Sequence = Note OTHER INFORMATION: Synthetic Construct
                                                                                                                                    ORGANISM: Artificial Sequence FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9 YCCCRKCCTCVNPLEELCCKRLCFYYR 35
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4; Conservative
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No. US20040110165A1
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14.8%; Pred. No. 4.7e+02;
ative 23; Mismatches 0;
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14.8%; Pred. No. 3.8e+02;
stive 23; Mismatches (
                              DB 16; Length 38;
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Indels

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APPLICANT: Smithson, Glennda
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-269
CURRENT APPLICATION NUMBER: US/10/074,978A
CURRENT FILING DATE: 2003-01-07
PRIOR APPLICATION NUMBER: 60/268,221
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/335,109
PRIOR PRIOR APPLICATION NUMBER: 60/312,284
PRIOR FILING DATE: 2001-10-31
PRIOR APPLICATION NUMBER: 60/312,284
PRIOR FILING DATE: 2001-08-14
PRIOR FILING DATE: 2001-08-14
PRIOR APPLICATION NUMBER: 60/310,293
PRIOR APPLICATION NUMBER: 60/276,703
PRIOR APPLICATION NUMBER: 60/30,293
PRIOR PILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 60/330,293
PRIOR PILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 60/322,127
PRIOR FILING DATE: 2001-11-18
PRIOR APPLICATION NUMBER: 60/322,127
PRIOR FILING DATE: 2001-11-18
PRIOR APPLICATION NUMBER: 60/320,127
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Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 547
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 408
LENGTH: 41
TYPE: PRT
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APPLICANT:
APPLICANT:
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                                                                                                                                  PRIOR APPLICATION NUMBER: 60/310,797
PRIOR TILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: 60/268,646
PRIOR FILING DATE: 2001-02-14
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                                                                                                                                                                                                                           APPLICATION NUMBER: 60/280,899 FILING DATE: 2001-04-02
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Edinger, Shlomit
Gunther, Erik
Stone, Dave
Millet, Isabelle
Peyman, John
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Shimkets, Richard A
Taupier Jr. Raymond J
Moore, No. US20040010119A1lle
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Malyankar, Uriel M
Gusev, Vladimir
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Boldog, Ferenc
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Guo, Xiaojia (Sasha)
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o. US20040010119A1
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; ORGANISM: Homo sapiens
US-10-074-978A-408
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Query Match 100.0%; Score 59; DB 15; Length 41; Best Local Similarity 14.8%; Pred. No. 5e+02; Matches 4; Conservative 23; Mismatches 0; Indels 0; Gaps

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Db 6 WSVCSVTCGNGNQKRTRSCGYACTATE 32

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Search completed: February 15, 2005, 18:33:55

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Maximum Match 100%
Listing first 45 summaries
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    Query
Match Length
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1. /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2. /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3. /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4. /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5. /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6. /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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US-08-30-882A-1
US-08-390-882A-1
US-08-390-882A-2
US-08-390-882A-3
US-08-390-882A-3
US-08-390-882A-3
US-08-390-882A-3
US-08-390-882A-3
US-08-390-82A-40
US-08-469-526A-40
US-08-734-591A-40
US-08-734-591A-40
US-08-734-64A-40
US-08-761-248B-13
US-08-900-230-11
US-08-900-230-11
US-08-900-230-53
US-08-900-230-53
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8	Quer Best Matc	US-08-			D e e d o - Si D SE		544443999765443211098
Qy 1 CXXXCXXXXXXXXXXXXXXC 22	Query Match 100.0%; Score 54; DB 3; Length 24; Best Local Similarity 18.2%; Pred. No. 1.5e+02; Matches 4; Conservative 18; Mismatches 0; Indels 0;	ਲ- ੦ ਸ	STATE: Callifornia COUNTRY: United States ZIP: 92122 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk MEDIUM TYPE: IBM PC compatible COMPUTER: IBM PC COMPATING SYSTEM: PC-DOS/MS-DC SOFTWARE: Patentin Release #1. CURRENT APPLICATION DATA:	APPLICANT: TITLE OF IN TITLE OF IN NUMBER OF SI CORRESPONDE ADDRESSEE STREET:	SULT 1 -08-810-131A-6 Sequence 6, Application Sequence 10, 63-63144 GENERAL INFORMATION: APPLICANT: Karin, APPLICANT: DiDonate APPLICANT: Rothwar APPLICANT: Hayakaw	ALIGNMENTS	8 54 100.0 46 3 US-08-900-230-40 Sequence 54 100.0 47 3 US-08-482-085B-91 Sequence 54 100.0 57 1 US-07-699-716-56 Sequence 54 100.0 61 2 US-08-785-530-3 Sequence 54 100.0 61 2 US-09-123-850-3 Sequence 54 100.0 61 4 US-09-123-850-3 Sequence 54 100.0 63 4 US-09-270-767-36005 Sequence 54 100.0 63 4 US-09-270-767-36005 Sequence 54 100.0 63 4 US-09-270-767-37037 Sequence 54 100.0 63 4 US-09-270-767-37037 Sequence 54 100.0 64 4 US-09-270-767-37037 Sequence 54 100.0 66 4 US-09-270-767-37037 Sequence 54 100.0 66 4 US-09-270-767-378-1 Sequence 54 100.0 67 4 US-09-270-78-1 Sequence 54 100.0 67 4 US-09-506-978-1 Sequence 54 100.0 70 3 US-09-118-930-131 Sequence 54 100.0 70 3 US-09-118-930-131 Sequence 54 100.0 70 3 US-09-318-930-131 Sequence 54
	Gaps 0;						40, Appl 91, Appl 91, Appl 3, Appli 3, Appli 195, Appli 195, Appli 23358, Appli 23358, A 36005, A 36005, A 36254, A 37037, Appli 1, Appli 1, Appli 1, Appli 131, Appli 3, Appli 3, Appli 38, Appli

US-09-643-657-36

Application US/09643657

RESULT 2

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US-09-506-978-5
                                  APPLICANT: SPETINI, FRANCOIB
TITLE OF INVENTION: NOVEL BEE VENOM POLYPEPTIDES AND METHODS OF USE THEREOF
FILE REFERENCE: 18519-001
CURRENT APPLICATION NUMBER: US/09/506,978
CURRENT FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Ver. 2.0
LENGTH: 35
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
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                                                                                                                                                                                                                                                                                Sequence 5, Application US/09506978 Patent No. 6780416 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P105(
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local (
OTHER INFORMATION: Description of Artificial Sequence: CYSTEINE OTHER INFORMATION: SPACING MOTIF
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Patent No. 6642024
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MinPatin (Genentech)
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way

STREET: 1 DNA Way
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TITLE OF INVENTION: GUANYLATE-BINDING PROTEIN
NUMBER OF SEQUENCES: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CXXXCXXXXXXXXXXXXXXX 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         h 100.0%; Score 54; DB 4; Length 24; Similarity 18.2%; Pred. No. 1.5e+02; 4; Conservative 18; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/09/643,657
FILING DATE: 17-Aug-2000
CLASSIFICATION: CURROWN>
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STATE: Californi
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                                                      Sequence 40, Application US/08036555B
Patent No. 5530109
                                                                                                                                                                                            Ouery Match 100.0%; Score 54; DB 2; Best Local Similarity 18.2%; Pred. No. 2.3e+02; Matches 4; Conservative 18; Mismatches (
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                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION 143

APPLICATION NUMBER: 60/008,34

FILING DATE: 07-DEC-1995

ATTORNEY/AGENT INFORMATION:

NAME: Turley, Charles p

REGISTRATION NUMBER: 35,723

REFERENCE/DOCKET NUMBER: 3401

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PastSEQ for Wind
CURRENT APPLICATION DATA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 11, Application US/08761248E Patent No. 5958735
                  APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
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APPLICANT: ROWLEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: ROWLEY, DAY TITLE OF INVENTION: URC TITLE OF INVENTION: FOR SEQUENCES: 15 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                           STRANDEDNESS:
TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                    LENGTH:
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STREET: 1100 Louisiana, Suite 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
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         Goodearl, Andrew; Stroobant, I
Minghetti, Luisa; Waterfield,
                                                                                                                                                                                                                                                                                                                                                                                            (713)9513314
                                                                                                                                                                                                                                                                                           SS: single
linear
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for Windows Version 2.0
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Pred. No. 2.
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Paul;
, Michael; Marchioni, Mark;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4;
2e+02;
                                                                                                                                                                                                                        Length 38,
                                                                                                                                                                                              Indels
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RESULT 6
US-08-469-569-40
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                                                                                                                                                                                  Patent No. 5606032
GENERAL INFORMATION:
                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHANE: 1712) 688-8200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (212) 838-3884 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION NUMBER: 07/907,138
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
                                                       APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni,
APPLICANT: Chen, Maio Su; Hiles, Inc.
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Wordperfect CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Chen, Maio Su; Hiles, Ian TITLE OF INVENTION: Glial Mitogenic Factors, Their TITLE OF INVENTION: Preparation and Use NUMBER OF SEQUENCES: 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/036,555B
FILING DATE: 24-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: New York City
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
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                                                                                                                                                                                                          40, Application US/08469569
5. 5606032
                                                                                                                                                                                                                                                                                                                                  13 CACRCAGAAGGICTICCTIC 34
                                                                                                                                                                                                                                                                                                                                                                                                               h 100.0%; Score 54; DB 1; Length 39; Similarity 18.2%; Pred. No. 2.4e+02; 4; Conservative 18; Mismatches 0; Indels
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805 Third Avenue
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US-08-390-882A-1
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Matches
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Patent No. 5688764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                         GENERAL INFORMATION:
APPLICANT: Kral, Robert M. Jr.; Krapcho, Karen; Johnson, TITLE OF INVENTION: Insecticidal Peptides from Spider 'NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: MADSON & METCALF
STREET: 950 FIRST INTERSTATE BUILDING
STREET: 170 SOUTH MAIN STREET
CITY: SALT LAKE CITY
STATE: UTAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 07/863,70
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 0
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: TBAI, Christine H.
REGISTRATION NUMBER: 34,266
REGISTRATION NUMBER: 34,266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: LU
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Wordperfect CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Match 100.0%; Score 54; DB 1; Local Similarity 18.2%; Pred. No. 2.4e+02; es 4; Conservative 18; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid STRANDEDNESS: TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (212) 838-3884
TELEPHONE: (212) 838-3884
TOTO TO NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/469,569 FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: New York City
STATE: New York
                                                         COUNTRY: U
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                                                                           USA
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                 3.50 inch,
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                     1.44
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                 Mb storage
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CURRENT APPLICATION DATA: OPERATING SYSTEM: MS-DOS SOFTWARE: WORDPERFECT 5.1

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OPERATING STEM: MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390
FILING DATE: NO. 5688764e ass
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: L. CRAIG METCALF
REGISTRATION NUMBER: 31,398
REFERENCE/DOCKET NUMBER: 1094
TELECOMMUNICATION INFORMATION:
TELEPHONE: (801) 537-1790
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (801) 537-1700
TELEPAX: (801) 537-1799
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 amino acids
TYPE: amino acids
STRANDEDNESS: single
TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: Calisoga sp.
INDIVIDUAL ISOLATE: pepti
ORGANELLE: Venom glands
                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Krāl, Robert M. Jr., Krapcho, Karen, Johnson, Ja
TITLE OF INVENTION: Insecticidal Peptides from Spider Venom
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS: ADDRESSE: MADSON & METCALF
STREET: 950 FIRST INTERSTATE BUILDING
STREET: 170 SOUTH MAIN STREET
CITY: SALT LAKE CITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/390,882A FILING DATE: No. 568764e assigned CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION: NAME: L. CRAIG METCALF REGISTRATION NUMBER: 31,398
REFERENCE/DOCKET NUMBER: 1094.2.1
TELEPHOME: (801) 537-1700
TELEPHOME: (801) 537-1700
                                                                                                                                                                                                                                                                                                  ZIP: 84101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
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). 5688764
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39 amino acids
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                                                                                                                                                                                                                                                                                                      Diskette, 3.50 inch, 1.44 Mb storage
                                                                                                                                                                                             ₹: US/08/390,882A
5688764e assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 54; DB 1; 18.2%; Pred. No. 2.4e+02;
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                                                                                                         1094.2.1
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; PRAGMENT TYPE:
; ORIGINAL SOURCE:
; ORGANISM: Calisoga sp.
; INDIVIDUAL ISOLATE: peptide C
; ORGANIELLE: Venom glands
US-08-390-882A-3
                                                                                                                                                                                                                                                        OPERATING SYSTEM: MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA;
APPLICATION NUMBER: US/08/390,
FILING DATE: NO. 5688764e assi
CLASSIFICATION NUMBER: 31,398
ATTORNEY/AGENT INFORMATION:
INFORMATION NUMBER: 31,398
REFERENCE/DOCKET NUMBER: 1094
TELECOMMUNICATION INFORMATION:
TELEPHONE: (801) 537-1790
TELEPAX: (801) 537-1790
TELEPAX: (801) 537-1790
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
Query Match 100.0%; Score 54; DB 1; Length 39; Best Local Similarity 18.2%; Pred. No. 2.4e+02; Matches 4; Conservative 18; Mismatches 0; Indels
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Patent No. 5688764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 54; DB 1; Best Local Similarity 18.2%; Pred. No. 2.4e+02; Matches 4; Conservative 18; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                  HYPOTHETICAL:
                                                                                                                                                                                                                                TOPOLOGY: unknown MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Kral, Robert M. Jr.; Krapcho, Karen; Johnson, Januari Deli Insecticidal Peptides from Spider Venom NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: Calisoga sp.
INDIVIDUAL ISOLATE: peptide B
ORGANELLE: Venom glands
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HYPOTHETICAL:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: MADSON & METCALF
STREET: 950 FIRST INTERSTATE BUILDING
STREET: 170 SOUTH MAIN STREET
CITY: SALT LAKE CITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANTI-SENSE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: sir
TOPOLOGY: unknown
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US-08-249-322A-40
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                                                                                            Query Match
Best Local S
                                                                            Matches
                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION NDATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                        PRIOR AFFILE.

PRILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: TBAI, Christine H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: UN TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 03-APRIL-1992 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 30-JUN-
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
FILING DATE: 24-MAR-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/249,322A
FILING DATE: 26-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
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                                                                                                Local Similarity
                                                                                                                                                                         STRANDEDNESS:
TOPOLOGY: 1:
                                                                                                                                                                                                                                                                  TELEPHONE: (212) 838-3884
TELEPHONE: (212) 838-3884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
                                                                                                                                                                                                         TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
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CACRCAGAAGGTCTTCTCCTTC 34
                                     CXXXCXXXXXXXXXXXXXXX 22
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                                                                        100.0%; Score 54; DB 1; ilarity 18.2%; Pred. No. 2.4e+02; Conservative 18; Mismatches 0
                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  UMBER: 07/907,138
30-JUN-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                        U.K. 91 07566.3
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                                                                                                                Length 39;
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RESULT 11
US-08-469-526A-40
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Matches
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GENERAL IN
                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/036,555

FILING DATE: 24-MAR-1993

APPLICATION NUMBER: 07/965,173

APPLICATION NUMBER: 07/940,389

FILING DATE: 03-SEP-1992

APPLICATION NUMBER: 07/907,138

APPLICATION NUMBER: 07/907,138

FILING DATE: 03-JUN-1992

APPLICATION NUMBER: 07/863,703

FILING DATE: 03-APRIL-1992

APPLICATION NUMBER: U.K. 91 07566.3

FILING DATE: 10-APR-1991

APTICATION STEEL 10-APR-1991

APTICATION STEEL 10-APR-1991

APTICATION STEEL 10-APR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Bieker-Braddy, Kristina

REGISTRATION NUMBER: 39,109

REFERENCE/DOCKET NUMBER: 04585/00200A
                                                                                                               Query Match
                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,526A
FILING DATE: 06 June 1995
CLASSIFICATION: 435
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APPLICANT:
                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
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ADDRESSEE: Clark & Elbing LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR TITLE OF INVENTION: PREPARATION AND USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Chen, N
APPLICANT: Hiles,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM CON
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 176 F
                                                                                               Local Similarity
                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                              TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: USA
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     13
                                         1 CXXXCXXXXXXXXXXXXXXX 22
CACRCAGAAGGTCTTCTCCTTC 34
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linear
                                                                                                                                                                                                                                                                                          617-428-7045
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Marchionni, Mark
                                                                               Conservative
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                                                                           100.0%; Score 54; DB 1;
18.2%; Pred. No. 2.4e+02;
tive 18; Mismatches (
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                                                                                                                   Length 39;
                                                                                 Indels
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RESULT 12 US-08-734-591A-40 ; Sequence 40, Application US/08734591A

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Matches
                                                                                                                     Query Match
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PRIOR APPLICATION DATA: 06-UN-1995
PRIOR APPLICATION DATA: 08/036,555
PILING DATE: 03-MAR-1993
PRIOR APPLICATION DATA: 07/965,173
PRIOR APPLICATION NUMBER: 07/965,173
PRIOR APPLICATION DATA: 07/940,389
PRIOR APPLICATION NUMBER: 07/940,389
                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: WOIDERfect (Version 7.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,591A
FILING DATE: 22-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION NUMBER: 08/470,335
                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                               NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/00200P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:

O7/064 704
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                                                                                                                                                                        STRANDEDNESS:
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44
COMPUTER: IBM Compatible Pentium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Minghetti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Hiles, Ian
APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mario
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
                                                                                                     Local
                                                                                                                                                                                                                  TYPE:
                                                                                                                                                                                                                                                                                                         TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 07/863,703 FILING DATE: 03-APR-1992
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         13
                                                                                 Similarity
4; Conserv
CACRCAGAAGGTCTTCTCCTTC 34
                                   CXXXCXXXXXXXXXXXXXXX 22
                                                                                                                                                                                                              amino acid
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                                                                             Conservative
                                                                                                                                                                                                                                                                                                     (617) 428-7045
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                                                                 100.0%; Score 54; DB 2;
18.2%; Pred. No. 2.4e+02;
tive 18; Mismatches (
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                                                                                                       Length 39;
                                                                     Indels
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RESULT 14
US-08-735-021-40
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APPLICANT: GOODEARL, ANDREW APPLICANT: STEOOBART, PAUL APPLICANT: MINGHETIT, LUISA APPLICANT: WATERFIELD, MICHAEL APPLICANT: MARCHIONNI, MARK APPLICANT: CHEN, MARIO S.
                                                                                                                                                                                                                                                                                                                                                                                          US-08-469-660-40
                                                                                                            Sequence 40, Application US/08735021B
Patent No. 6194377
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 54; DB 2; Length 39; Best Local Similarity 18.2%; Pred. No. 2.4e+02; Matches 4; Conservative 18; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-469-660-40
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Patent No. 5876973
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Wordperfect
CURRENT APPLICATION DATA,
APPLICATION NUMBER: US/08/469,660
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNUBER: 08/011,396
FILING DATE: 29-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/984,085
FILING DATE: 01-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/061,747
APPLICATION NUMBER: 07/061,747
                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 07/9:
FILING DATE: 10-AUG-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 07/951,/7,
APPLICATION NUMBER: 07/951,/7,
FILING DATE: 25-SEP-1992
PRIOR APPLICATION DATA:
07/927,337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: Massachusetts
ZIP: 0211-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Gwynne, Da
APPLICANT: McBurney,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: INHIBITORS OF CELL PROLIFERATION, THEIR PREPARATION AND USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE:
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                                                                                                                                                                                                                                     13 CACRCAGAAGGTCTTCTTCCTTC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gwynne, David I.; Marchionni, Mark;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paul T. 30,162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US/08/469,660
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RESULT 15
US-08-734-664A-40
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 40
LENGTH: 39
TYPE: PRT
ORGANISM: Bos taurus
US-08-735-021-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/08/735,021B
CURRENT FILING DATE: 1996-10-22
EARLIER APPLICATION NUMBER: 08/472,065
EARLIER FILING DATE: 1995-06-06
EARLIER FILING DATE: 1995-03-24
EARLIER APPLICATION NUMBER: 07/965,173
EARLIER APPLICATION NUMBER: 07/965,173
EARLIER FILING DATE: 1992-10-23
EARLIER FILING DATE: 1992-09-03
EARLIER FILING DATE: 1992-09-03
EARLIER FILING DATE: 1992-09-03
EARLIER APPLICATION NUMBER: 07/907,138
EARLIER APPLICATION NUMBER: 07/907,138
EARLIER APPLICATION NUMBER: 07/963,703
EARLIER APPLICATION NUMBER: 07/863,703
EARLIER FILING DATE: 1992-04-03
EARLIER FILING DATE: 1992-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 40,
Patent No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
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                                   COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,664A
FILING DATE: 22-OCT-1996
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: 08/249,322
FILING DATE: 26-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/249,322
FILING DATE: 26-MAY-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMAPPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR TITLE OF INVENTION: PREPARATION AND USE FILE REFERENCE: 04585/00200L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: HILES, IAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Chen, Mario
APPLICANT: Hiles, Ian
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
NUMBER OF SEQUENCES: 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS
APPLICATION NUMBER: 08/0:
FILING DATE: 24-MAR-1993
                                                                                                                                                                                                                                                                                                                                        COUNTRY: U
ZIP: 02110
                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
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6204241
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CACRCAGAAGGTCTTCTCCTTC 34
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Stroebant, Paul
Minghetti, Luisa
Waterfield, Michael
Marchionni, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                        176 Federal Street
                                                                                                                                                                                                                                                                                                                                                        U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Clark & Elbing LLP
                  08/036,555
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Search completed: February 15, 2005, 18:03:05 Job time : 2.34583 secs
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                                                                                                                                                     Matches
                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:

APPLICATION NUMBER: UK 91 07566.3

FILING DATE: 10-APR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Bieker-Brady, Kristina

REGISTRATION NUMBER: 39,109

REFERENCE/DOCKET NUMBER: 04585/00200J

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 428-0200
                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/8
FILING DATE: 03-APR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 30-JUN-
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TOPOLOGY: li
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13 CACRCAGAAGGTCTTCTCCTTC 34
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                                                                                                                                                                      Similarity
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                                                                                                                                                     Conservative
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                                                                                                                                                 100.0%; Score 54; DB 3;
18.2%; Pred. No. 2.4e+02;
Ltive 18; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07/863,703
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Result
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Maximum
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB seq
                                                                                                                                                                                                                                                                                                   Score
    Published Applications AA:*

1: /cgn2 6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*

2: /cgn2 6/ptodata/1/pubpaa/USO6_PUBCOMB.pep:*

3: /cgn2 6/ptodata/1/pubpaa/USO6_PUBCOMB.pep:*

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6: /cgn2 6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

6: /cgn2 6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

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9: /cgn2 6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

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16: /cgn2 6/ptodata/1/pubpaa/USO9F_PUBCOMB.pep:*

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17: /cgn2 6/ptodata/1/pubpaa/USO9F_PUBCOMB.pep:*

18: /cgn2 6/ptodata/1/pubpaa/USO9F_PUBCOMB.pep:*

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19: /cgn2 6/ptodata/1/pubpaa/USOF_PUBCOMB.pep:*

19: /cgn2 6/ptodata/1/pubpaa/USOF_PUBCOMB.pep:*

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20: /cgn2 6/ptodata/1/pubpaa/USOF_PUBCOMB.pep:*
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length: 2000000000
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                                          11000.0
                                                                                                                                                                                                                                                                                                   Match
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54
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
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    GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd
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               US-10-131-631A-39
US-10-147-095-39
US-10-381-112-225
US-10-381-112-551
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US-10-381-112-553
US-10-381-112-554
US-10-381-112-555
US-10-381-112-556
US-10-714-353-59
US-10-714-353-59
US-10-712-876-580
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US-09-331-631A-33
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                                     Sequence 39, Appl
Sequence 39, Appl
Sequence 225, App
Sequence 551, App
Sequence 552, App
Sequence 554, App
Sequence 554, App
Sequence 555, App
Sequence 59, App
Sequence 59, App
Sequence 59, App
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Sequence
Sequence
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ALIGNMENTS

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Sequence 39. Application US/09331631A

Patent No. US20020168392A1

GENERAL INFORMATION:

APPLICANT: Manners, John M.

APPLICANT: Marcus, John Paul

APPLICANT: Marcus, John Paul

APPLICANT: Goulter, Kenneth C.

APPLICANT: Green, Jodie L.

FILE OF INVENTION: ANTIMICROBIAL PROTEINS

FILE REFERENCE: CULLM23.001APC

CURRENT APPLICATION NUMBER: US/09/331,631A

CURRENT FILING DATE: 1999-06-21

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR APPLICATION NUMBER: AU PO 4275

PRIOR APPLICATION NUMBER: AU PO 4275

PRIOR APPLICATION NUMBER: 40

SOFTMARE: FastSEQ for Windows Version 3.0

SEQ ID NO 39

LENGTH: 22

TYPE: DET
                                                                                                                                               US-09-331-631A-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-331-631A-39
                                                                      Matches
                                                                                       Query Match
Best Local
                                                                                                                                                            OTHER INFORMATION: Consensus sequence for antimicrobial peptides OTHER INFORMATION: wherein X is any amino acid.
                                                                                                                                                                                                TYPE: PRT ORGANISM: Artificial Sequence FEATURE:
                    1 CXXXCXXXXXXXXXXXXXXXCXXXC 22
\vdash
                                                                                       Similarity
CXXXCXXXXXXXXXXXXXXXXX
                                                                    100.0%; Score 54; DB 9; ilarity 100.0%; Pred. No. 4.8e+02; Conservative 0; Mismatches 0;
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RESULT 2 US-10-147-095-39

Sequence 39, Application US/10147095 Publication No. US20030171274A1 GENERAL INFORMATION:

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; OTHER INFORMATION: C-terminal amidation US-10-381-112-225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Marners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR FILING DATE: 199-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEO ID NOS: 40
SOPTWARE: PastSEQ for Windows Version 3.0
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Query Match
Best Local Similarity 15.2
Thes 4; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PEATURE:

OTHER INFORMATION: Consensus sequence for antimicrobial peptides
OTHER INFORMATION: wherein X is any amino acid.
US-10-147-095-39
                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 595
SEQ ID NO 225
LENGTH: 26
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Fab.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 225, Applic Publication No. US20 GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Nakamura, Gerald R.
APPLICANT: Reymolds, Mark E.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: 198 RECEPTOR ANTAGONISTS
FILE REFERENCE: P1816R1
                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/278,540 PRIOR FILING DATE: 2001-03-23
                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/381,112 CURRENT FILING DATE: 2003-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Lowman, Henry B. APPLICANT: Nakamura, Geral
                                                                                                                                            FEATURE:
NAME/KEY: MOD_RES
LOCATION: 26
                                                                                                                                                                                        OTHER INFORMATION: IGE receptor binding peptide shown in Example 12, Table 9. IgE189
                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 22
TYPE: PRT
ORGANISM: Artificial Sequence
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D-_US20040086942A1
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                                     100.0%; Score 54; DB 15; Length 26; 18.2%; Pred. No. 5.5e+02;
                             18;
                         Mismatches
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CXXXCXXXXXXXXXXXXXXXXX 22

Indels

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Gaps

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; OTHER INFORMATION: Artificial Sequence 719-13 shown in Figure US-10-381-112-552
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                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/278,540
PRIOR FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 595
SEQ ID NO 552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Artificial Sequence 719-11 shown in Figure US-10-381-112-551
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APPLICANT: Reynolds, Mark E.
APPLICANT: Reynolds, Mark E.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: 19E RECEPTOR ANTAGONISTS
FILE REFERENCE: P1816R1
CURRENT APPLICATION NUMBER: US/10/381,112
CURRENT FILLNG DATE: 2003-10-27
PRIOR APPLICATION NUMBER: US 60/278,540
PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR PILING DATE: 2001-03-23
PRIOR PILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 595
Query Match 100.0%; Score 54; Di
Best Local Similarity 18.2%; Pred. No. 5.50
Matches 4; Conservative 18; Mismatches
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US-10-381-112-551
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 552, Appropriate Publication No.
                                                                                                                                                                                                                                                                                                                           APPLICANT: Nakamura, Gérald R.
APPLICANT: Reynolds, Mark E.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: 19E RECEPTOR ANTAGONISTS
FILE REFERENCE: P181681
CURRENT APPLICATION UNMBER: US/10/381,112
CURRENT FILING DATE: 2003-10-27
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Best Local
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LENGTH: 26
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                                                                                                                            LENGTH: 26
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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les 4; Conserv
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o. US20040086942A1
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D. US20040086942A1
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                 5.5e+02;
                                    Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 26;
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CPHFCYELDYEPGKLKLCPDVC 24

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APPLICANT: Nakamura, Gerald R.
APPLICANT: Reynolds, Mark E.
APPLICANT: Reynolds, Mark E.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: IGE RECEPTOR ANTAGONISTS
FILE REFERENCE: P1816R1
CURRENT APPLICATION NUMBER: US/10/381,112
CURRENT FILING DATE: 2003-10-27
PRIOR APPLICATION NUMBER: US 60/278,540
PRIOR APPLICATION NUMBER: US 60/278,540
PRIOR FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 595
SEQ ID NO 553
LENGTH: 26
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                                                                                                                                                           ; OTHER INFORMATION: Artificial Sequence 719-15 shown in Figure US-10-381-112-554
                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 595
SEQ ID NO 554
LENGTH: 26
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                                                                  Query Match
Best Local :
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TITLE OF INVENTION: IGE RECEPTOR ANTAGONISTS
FILE REFERENCE: P181GR1
CURRENT APPLICATION NUMBER: US/10/381,112
CURRENT FILING DATE: 2003-10-27
PRIOR APPLICATION NUMBER: US 60/278,540
PRIOR FILING DATE: 2001-03-23
PRIOR FILING DATE: 2001-03-23
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APPLICANT: Nakamuı
APPLICANT: Reynolo
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                  Local Similarity
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CPHFCYELDYEPDSVGLCPDVC 24
                                     CXXXCXXXXXXXXXXXXXX 22
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5. US20040086942A1
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                                                                               Conservative
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                                                                         100.0%; Score 54; DB 15; Length 26; 18.2%; Pred. No. 5.5e+02; Live 18; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/10/381,112
CURRENT FILING DATE: 2003-10-27
FRIOR APPLICATION NUMBER: US 60/278,540
FRIOR FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR APPLICATION NUMBER: US 60/235,353
PRIOR FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 595
SEQ ID NO 555
LENGTH: 26
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                                                                                                                                                      ; ORGANISM: Homo sapiens US-10-714-353-59
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US-10-714-353-59
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US-10-381-112-555
                                                                                                                                                                                  SOFTWARE: FASTSEQ for Windows Version 4.0 SEQ ID NO 59
LENGTH: 26
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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Publication No. US20040170626A1
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                                                                                            Query Match
Best Local
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Best Local (
                                                                            Matches
                                                                                                                                                                                                                                                                                     FILE REFERENCE: GMI-059
CURRENT APPLICATION NUMBER: US/10/714,353
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426690
PRIOR FILING DATE: 2002-11-15
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APPLICANT: Nakamura, Geral
APPLICANT: Reynolds, Mark
                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Williams, Denise Leah
APPLICANT: Jorgen Petersen
APPLICANT: Ole Baadsgaard
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST CD25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Schuurman, Janine
APPLICANT: Havenith, Karin
APPLICANT: Parren, Paul
APPLICANT: van de Winkel, J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Starovasnik, Melissa A. TITLE OF INVENTION: IGE RECEPTOR ANTAGONISTS FILE REFERENCE: P1816R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
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2 CCAGCGCAGCTTCTCTTCCTCC 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              w
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                                                                                              Similarity
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                                  CXXXCXXXXXXXXXXXXXXXXX 22
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van de Winkel, Jan
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5. US20040086942A1
                                                                       100.0%; Score 54; DB 16; ilarity 18.2%; Pred. No. 5.5e+02; Conservative 18; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 54; DB 15; ilarity 18.2%; Pred. No. 5.5e+02; Conservative 18; Mismatches 0,
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                                                                                                                 Length 26
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RESULT 10 US-10-097-065-580 ; Sequence 580, Application US/10097065

GENERAL INFORMATION:

PPLICANT: Moore, Paul A. et al. ITLE OF INVENTION: 110 Human Secreted Proteins Publication No. US20030055236A1

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PRIOR APPLICATION NUMBER: 09/334,595
PRIOR FILLING DATE: 1999-06-17
PRIOR APPLICATION NUMBER: PCT/US98/27059
PRIOR FILLING DATE: 1998-12-17
PRIOR FILLING DATE: 1998-12-17
PRIOR APPLICATION NUMBER: 60/070,923
PRIOR FILLING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/068,007
PRIOR FILLING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/068,057
PRIOR APPLICATION NUMBER: 60/068,057
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US-10-372-876-580
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                                                                                                                                                                                                                                                                 Sequence 580, Application US/10372876
Publication No. US20030204071A1
GENERAL INFORMATION:
APPLICANT: MOOSE, Paul A. et al.
TITLE OF INVENTION: 110 Human Secreted Proteins
FILE REFERENCE: PZ021P1
CURRENT APPLICATION NUMBER: US/10/372,876
CURRENT APPLICATION NUMBER: US/10/372,876
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PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/068,054
PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/068,008
PRIOR APPLICATION NUMBER: 60/068,365
PRIOR APPLICATION NUMBER: 60/068,365
PRIOR APPLICATION NUMBER: 60/068,365
PRIOR FILING DATE: 1997-12-19
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PRIOR FILING DATE: 1998-12-17/US98/27059
PRIOR FILING DATE: 1997-12-18
PRIOR FILING DATE: 1997-12-18
PRIOR FILING DATE: 1997-12-18
PRIOR PRIOR APPLICATION NUMBER: 60/068,007
PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/068,057
PRIOR APPLICATION NUMBER: 60/068,067
PRIOR PRIOR DATE: 1997-12-18
PRIOR FILING DATE: 1997-12-18
PRIOR PRIOR PRIOR DATE: 1997-12-18
PRIOR PRIOR APPLICATION NUMBER: 60/068,369
PRIOR APPLICATION NUMBER: 60/068,367
PRIOR DATE: 1997-12-19
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Best Local :
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SEQ ID NO 580
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CURRENT APPLICATION NUMBER: US/10/097,065
CURRENT FILING DATE: 2002-03-14
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OR FILING DATE: 1997-12-19
OR APPLICATION NUMBER: 60/068,169
OR FILING DATE: 1997-12-18
OR APPLICATION NUMBER: 60/068,053
OR APPLICATION NUMBER: 60/068,053
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APPLICATION NUMBER: 60/068,057
FILING DATE: 1997-12-18
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4; Conserv
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5.7e+02;
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US-09-331-631A-36

; Sequence 36, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.

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GENERAL INFORMATION:

APPLICANT: Manners, John M.

APPLICANT: Marcus, John Paul

APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

FILE REFERENCE: CULLAZ3.001APC

CURRENT APPLICATION NUMBER: US/09/331,631A

CURRENT FILING DATE: 1999-06-21

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR APPLICATION NUMBER: BCT/AU97/00874

PRIOR APPLICATION NUMBER: AU PO 4275

PRIOR FILING DATE: 1996-12-20

PRIOR FILING DATE: 1996-12-20
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PRIOR APPLICATION NUMBER: 60/068,369
PRIOR APPLICATION NUMBER: 60/068,367
PRIOR APPLICATION NUMBER: 60/068,367
PRIOR APPLICATION NUMBER: 60/068,368
PRIOR FILING DATE: 1997-12-19
PRIOR APPLICATION NUMBER: 60/068,368
PRIOR FILING DATE: 1997-12-19
PRIOR FILING DATE: 1997-12-19
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PRIOR FILING DATE: 1997-12-19
PRIOR APPLICATION NUMBER: 60/068,368
PRIOR APPLICATION NUMBER: 60/068,368
PRIOR FILING DATE: 1997-12-19
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PRIOR FILING DATE: 1997-12-19
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PRIOR APPLICATION NUMBER: 60/068,368
PRIOR FILING DATE: 1997-12-19
PRIOR PRIOR APPLICATION NUMBER: 60/068,368
PRIOR FILING DATE: 1997-12-19
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RESULT 13
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US-09-331-631A-33
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SOFTWARE: FASTSEQ for Windows Version
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Patent No. US20020168392A1
                                                                                                                                                                                                                                                                                                                                                                     FEATURE: OTHER INFORMATION: Consensus sequence for antimicrobial peptides OTHER INFORMATION: wherein x is any amino acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
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TYPE: PRT
ORGANISM: Homo sapiens
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Local Similarity 18.2%; Pred. No. 5.7¢
les 4; Conservative 18; Mismatches
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FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/31,631A
CURRENT ELING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 36
LENGTH: 29
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Consensus sequence for antimicrobial peptides
OTHER INFORMATION: wherein X is any amino acid and the first and last
OTHER INFORMATION: X are phenylalanine or Tyrosine.
                                                                                                                                                                                                                                                                                                                          APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
ITILE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
VUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 29
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE
OTHER INFORMATION: Consensus sequence for antimicrobial peptides
OTHER INFORMATION: wherein X is any amino acid.
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US-10-147-095-36
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US-10-147-095-33
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Sequence 36, Application US/10147095 Publication No. US20030171274A1 GENERAL INFORMATION:
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Best Local 9
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APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth
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OTHER INFORMATION: Consensus sequence for antimicrobial peptides OTHER INFORMATION: wherein X is any amino acid and the first and OTHER INFORMATION: X are phenylalanine or Tyrosine.
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Best Local Similarity
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APPLICANT: Marcus, John Paul
APPLICANT: Gaulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
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TYPE: PRT
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Search completed: February 15, 2005, 18:33:56 Job time: 3.65762 secs

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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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US-08-036-555B-41
US-08-469-526A-41
US-08-249-322A-41
US-08-249-560A-41
US-08-735-021-41
US-08-735-021-41
US-08-735-021-41
US-08-735-021-41
US-08-735-0583C-41
US-09-643-657-35
PCT-US94-05083C-41
US-09-70-77-74-384
US-09-927-77-74-384
US-09-927-185-47
US-09-847-185-47
US-08-925-516-47
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US-08-928-694-97
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US-08-451-947-93
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47, Appl
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US-08-036-555B-41
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
 TELEPHONE: (212) 6
TELEFAX: (212) 838
INFORMATION FOR SEQ ID
                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/C
FILING DATE: 24-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; N
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEB: Felfe Lynch
                                                                             FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Test, Christine H.
REGISTRATION NUMBER: 34,266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                               TELEPHONE: (212) 688-9200
                                                                                                                                                                                        FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/8
                                                                                                                                                                                                                                         APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
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New York City
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                  838-3884
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US-08-424-826A-93
US-08-424-826A-95
US-08-424-826A-95
US-08-424-826A-96
US-08-424-826A-96
US-08-482-085B-91
US-08-928-694-94
US-08-928-694-94
US-08-928-694-96
US-08-928-694-96
US-08-450-842-93
US-08-450-842-96
US-08-450-842-96
US-08-451-390-93
US-08-451-390-93
US-08-451-390-96
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                                                                 5250.4
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                                                                INFORMATION FOR SEQ ID NO:
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Best Local (
                                                                                                                               APPLICATION NUMBER: U.K. 91
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: TBai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                             APPLICATION NUMBER: 07/863
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
                                                  SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                               FILING DATE: 30-JUN-1992 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 07/94
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/94
                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
                                                                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
                                                                          TELEPHONE: (212)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
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STRANDEDNESS
                 TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE: 06-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: PC-
SOFTWARE: Wordperfect
                                 ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: New York City
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805 Third Avenue
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                                                                                                 (212)
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                                                                                                 688-9200
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                                                                                                                             34,266
BER: LUD
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                                                                                                                                                                                                                                                                                                               07/907,138
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                                                                                                                               5250.4
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US-08-249-322A-41
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Query Match
Best Local Similarity
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APPLICATION NUMBER: 08/036,555
APPLICATION NUMBER: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
PRILING DATE: 23-OCT-1992
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Patent No.
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                                                                                                                                                                TELEFAX: (212) 838-38
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                      APPLICATION NUMBER: U.K. 9
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,26
REFERENCE/DOCKET NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: (FILING DATE: 30-JUN-PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA:
07/940,389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Glial Mitogenic Fact
                                                                             TOPOLOGY: 1i
                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 07/863
FILING DATE: 03-APRIL-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/249,322A FILING DATE: 26-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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o. 5716930
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                                                                                                                                                                                  838-3884
                                                                                                                                                                                                   688-9200
100.0%; Score 53; DB 1; 19.0%; Pred. No. 1.3e+02;
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19.0%; Pred. No. 1.30
ative 17; Mismatches
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.3e+02;
               Length 24;
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US-08-469-526A-41
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                                                          Best Lo
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                                                                                       Query Match
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                                                                                                                                                                                              TELEFAX: 617-428-7045
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,526A
                                                                                                                                                                                                                                                       NAME: Bieker-Brady, Kristina REGISTRATION NUMBER: 39,109 REFERENCE/DOCKET NUMBER: 0458 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                     FILING DATE: 10-APR-1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
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APPLICANT: Chen, Maio Su
APPLICANT: Hiles, Ian
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                FILING DATE: 03-JUN-
APPLICATION NUMBER:
FILING DATE: 03-APRI
APPLICATION NUMBER:
                                                       y Match 100.0%; Score 53; DB 1; Local Similarity 19.0%; Pred. No. 1.3e+02; hes 4; Conservative 17; Mismatches 0
                                                                                                                                   TYPE: amino acid
STRANDEDNESS: sir
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/03
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/96
FILING DATE: 23-OCT-1992
                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 07/9. FILING DATE: 03-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 00 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
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                                                                                                                                                                                LENGTH:
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CGCTCCTTCTTCTTGCCCTTC 24
                            CXXXCXXXXXXXXXXXXXX 21
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                                                                                                                                     3SS: single
linear
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Waterfield, Michael
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N: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08/036,555
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                                                                                                                                                                                                                41:
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                                                                                                                                                                                                                                                                          04585/00200A
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                                                                                     Length 24;
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US-08-734-591A-41
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US-08-734-591A-41
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GENERAL INFORMATION:
                                                                                                                                                                                     TELEX:
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                        APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/00200
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 22-OCT-CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 07/8
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA: 07/907,138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/470,335
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 03-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 30-JUN-
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Chen, Mario TITLE OF INVENTION: GLITITLE OF INVENTION: PRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 07/940,389 FILING DATE: 03-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 176 I
                                                                                             TOPOLOGY:
                                                                                                            STRANDEDNESS
                                                                                                                                                                                                                       TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE:
                                                                                                                                                LENGTH:
h 100.0%; Score 53; DB 2; 1 Similarity 19.0%; Pred. No. 1.3e+02; 4; Conservative 17; Mismatches 0;
                                                                                                                             amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Massachusetts
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Hiles, Ian
Hionni, Mark
                                                                                                                                                                                                                         (617) 428-7045
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Minghetti, Luisa
Waterfield, Michael
                                                                                           linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: 3.5" Diskette, 1.44 Mb
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-JUN-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GLIAL MITOGENIC FACTORS, THEIR PREPARATION AND USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      187
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Query Match Best Local S Matches 4

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                                                                            US-08-735-021-41
                                                                                                  RESULT 7
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US-08-469-660-41
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US-08-469-660-41
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                Sequence 41, Application US/08735021B
Patent No. 6194377
GEMERAL INFORMATION:
                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/011,396
FILING DATE: 29-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/984,085
FILING DATE: 01-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/951,747
APPLICATION NUMBER: 07/951,747
                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION UNMBER: 07/951,747
FILING DATE: 25-SEP-1992
PRIOR APPLICATION DATA: 07/927,337
FILING DATE: 10-AUG-1992
APPLICATION UNMBER: 07/927,337
FILING DATE: 10-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T
REGISTRATION NUMBER: 04585/017004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
APPLICANT: GOODEARL, ANDREW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 200154
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Gwynne, David I.; Marchionni, Mark;
APPLICANT: McBurney, Robert N.
TITLE OF INVENTION: INHIBITORS OF CELL PROLIFERATION,
TITLE OF INVENTION: THEIR PREPARATION AND USE
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: Mascr
STATE: 0211-2804
                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/469,660 FILING DATE: CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-DOS
                                                                                                                                                                                                                                                                                                                                                                                      ENGTH:
                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                  CGCTCCTTCTTCTTGCCCTTC 24
                                                                                                                                                                                      cxxxcxxxxxxxxxxxxx 21
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5876973
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                                                                                                                                                                                                                          ilarity 19.0%; Pr
Conservative 17;
                                                                                                                                                                                                                                                                                                                            linear
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                                                                                                                                                                                                                        100.0%; Score 53; DB 2;
19.0%; Pred. No. 1.3e+02;
ive 17; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                        41:
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APPLICANT: MINCHETTI, LUISA
APPLICANT: MARCHIONNI, MARK
APPLICANT: MARCHIONNI, MARK
APPLICANT: HILES, IAN
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: MUMBER: US/08/735,021B
CURRENT APPLICATION NUMBER: U8/08/35,021B
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/036,555
EARLIER APPLICATION NUMBER: 07/965,173
EARLIER APPLICATION NUMBER: 07/965,173
EARLIER APPLICATION NUMBER: 07/967,138
EARLIER APPLICATION NUMBER: 07/967,138
EARLIER APPLICATION NUMBER: 07/967,138
EARLIER APPLICATION NUMBER: 07/963,703
EARLIER APPLICATION NUMBER: 07/863,703
EARLIER APPLICATION NUMBER: 07/863,703
EARLIER FILING DATE: 1992-04-03
FEARLIER FILING DATE: 1992-04-03
FEARLIER FILING DATE: 1992-04-03
FEARLIER FILING DATE: 1992-04-03
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US-08-735-021-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 41,
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Best Local Similarity
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LENGTH: 24
APPLICATION NUMBER: US
FILING DATE: 22-OCT-15
FILING THE STATE OF 
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SOFTWARE: FastSEQ for Windows Version 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS: Clark & Elbing LLP
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: GLIAL MITOGENIC TITLE OF INVENTION: PREPARATION AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Boston
STATE: Massac
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Massachusetts
': U.S.A.
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MINGHETTI, LUISA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/08734664A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Marchionni, Mark
Chen, Mario
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Minghetti, Luisa
Waterfield, Michael
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                                                                                                                              22-OCT-1996
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                                                                                                                                                                     US/08/734,664A
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                                                                                                                                                                                                                                                                                                                                                                                      1.44 Mb
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08/249,322

FILING DATE: 26-MAY-PRIOR APPLICATION DATA: APPLICATION NUMBER:

26-MAY-1994

PRIOR APPLICATION DATA:

FILING DATE:

24-MAR-1993

08/036,555

07/965,173

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RESULT 9
US-09-643-657-35
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION UNMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Braddy, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/00200J
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 30-JUN-
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
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TOPOLOGY: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (617) 428-7045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 07/9
FILING DATE: 03-SEP-1992
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FILING DATE: 23-OCT-1992
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                                                                                                                                                                          COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/015,089A
PILING DATE: 29-Jan-1998
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/643,657
FILING DATE: 17-Aug-2000
CLASSIFICATION: -Unknown>
                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Diane Pennica
TITLE OF INVENTION: GUANYLATE-BINDING PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CXXXCXXXXXXXXXXXXXX 21
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                                                                                                                                                                                                                                                                                                                  STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
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                                                                                                                                                                                                                                                                                                   COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/09643657
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19.0%; Pred. No. 1.3e+02;
ative 17; Mismatches 0
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                                                                               ; TOPOLOGY:
PCT-US94-05083C-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT: 10
PCT-US94-05083C-41
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       Matches
                                          Query Match
                                                                                                                                                                                                                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UMBER: 08/209,204
APPLICATION UMBER: 08/059,024
FILLING DATE: 08-MAR-94
PRIOR APPLICATION UMBER: 08/059,022
APPLICATION NUMBER: 06-May-93
FILLING DATE: 06-May-93
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/0
                                                                                                                                                                       INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDERFECT
CURRINT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05083C
FILING DATE: 06-MAY-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360
MEDIUM TYPE: kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 185
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Robert Sklar, Mark Marchionni.
APPLICANT: David I. Gwynne
TITLE OF INVENTION: METHODS FOR ALTERING
TITLE OF INVENTION: MUSCLE CONDITION
                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: Massarte: 02110-2804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               y maccn 100.0%; Score 53; DB 5; Local Similarity 19.0%; Pred. No. 1.3e+02; 1e8 4; Conservative 17. Miamore 1.
                                                                                                                                                                                                                TELEPHONE: (617) 542-8906
                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Natch 100.0%; Score 53; DB 4; Local Similarity 19.0%; Pred. No. 1.3e+02; Local Similarity 17; Mismatches Cles 4; Conservative 17; Mismatches C
                                                                                                                                                      LENGTH:
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REFERENCE/DOCKET NUMBER: P10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
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                                                                                                                                  amino acid
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TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 650/952-9881
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                                          Length 24;
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RESULT 11 PCT-US95-06846A-41

Sequence 41, Applicat GENERAL INFORMATION:

Application PC/TUS9506846A

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PCT-US95-06846A-41
                                                                            Query Match
Best Local (
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NAME: HANSON, NORMAIL L.

REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1688-9200

TELECOMMUNICATION 1788-9200
                                                                                                                                                                                                                    TELEFAX: (212) 838-3884
NFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING JALL.
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 07/965,173
APPLICATION NUMBER: 07/940,389
PRIOR APPLICATION NUMBER: 07/940,389
                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US95/06846A FILING DATE: 25-MAY-1995 PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/249,322 FILING DATE: 26-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Goodearl, Andrew David; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
                                                                          Local
                                                                                                                                                STRANDEDNESS:
TOPOLOGY: li
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                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 03-APRIL-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 07/863,703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 07/907,138 FILING DATE: 30-JUN-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 07/94 FILING DATE: 03-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 08/03
FILING DATE: 24-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: PC-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
               Similarity 4; Conserv
                                                                                                                                                                                   amino acid
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T: 805 Third Avenue
New York City
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                                                    Conservative
                                                                                                                                            linear
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                                              100.0%; Score 53; DB 5;
19.0%; Pred. No. 1.3e+02;
tive 17; Mismatches (
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                                                                                 Length 24;
                                                Indels
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                                          Gaps
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; TOPOLOGY: 11; MOLECULE TYPE: US-08-902-516-47
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US-08-902-516-47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-270-767-43284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 47, App...
Sequence 47, App...
Sequence 47, App...
                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ve.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/902,516
FILING DATE: 29-JUL-1997
CLASSIFICATION: 424
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Best Local
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SEQ ID NO 43284
                                                                                                      TELEFAX: (619)535-8949
INFORMATION FOR SEQ ID NO:
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GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: SOO HOO,
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Drosophila melanogaster
FEATURE:
                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                           REFERENCE/DOCKET NUMBER: P-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 30
                                                                      LENGTH:
                                                                                                                                          TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
                                    amino acid
XGY: linear
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                                                                38 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/08902516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: CAMPBELL & FLORES, LLP
4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                               United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Soo Hoo, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                            (619)535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEMBRANE-BOUND CYTOKINE COMPOSITIONS
COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE RESPONSE USING SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                     Release #1.0, Version #1.25
                                                                                                                                                                                           31,815
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                                                                                                                                                                            P-IM 2442
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Pred. No. 1
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RESULT 15
US-07-757-022B-8
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                      Sequence 8, Application US/07757022B
Patent No. 6433142
GENERAL INFORMATION:
APPLICANT: Gener, Thomas G.
APPLICANT: Turner, Katherine
APPLICANT: Hewick, Rodney M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 47, Application US/09847185
Patent No. 6482407
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 4; Conserv
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (619)535-9001
TELEPAX: (619)535-8949
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
APPLICANT: Gesner, Thomas G.
APPLICANT: Clark, Stephen C.
APPLICANT: Turner, Katherine
APPLICANT: Hewick, Rodney M.
TITLE OF INVENTION: Megakaryocyte Stimulating Factors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-IM 2442
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 09/201,931
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/09/847,185
FILING DATE: 01-May-2001
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 47:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: CAMPBELL & FLORES, LLP
STREET: 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: SOO HOO, WILLIAM
TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
RESPONSE USING SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 50
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                                                                                                                                                                                                                                                                                   CXXXCXXXXXXXXXXXXX 21
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STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 38 amino acids
                                                                                                                                                                                                                                                                                                                        100.0%; Score 53; DB 4 (larity 19.0%; Pred. No. 2e+02; Conservative 17; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92121
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Search completed: February 15, 2005, 18:03:04 Job time: 1.28466 secs

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US-07-757-022B-8
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTION DATA:
APPLICATION UMBER: US/07/757,022B
FILING DATE: 19910910
CLASSIFICATION DATA:
APPLICATION S30
PRIOR APPLICATION DATA:
APPLICATION UMBER: US 07/643,502
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/643,502
FILING DATE: 18-JAN-1991
                                                                           Matches
                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 18-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION UDMBER: US 07/546,114
FILING DATE: 29-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION UDMBER: US 07/457,196
FILING DATE: 29-DEC-1989
PRIOR APPLICATION UDMBER: US 07/390,901
APPLICATION UDMBER: US 07/390,901
FILING DATE: 08-AUG-1989
                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                           ATTORNEY AGENT INFORMATION:
NAME: CBerr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: GI 5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)876-1170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetice Institute,
STREET: 87 CambridgePark Drive
                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 87 Cambridge CITY: Cambridge STATE: Massachus
                                    1 CXXXCXXXXXXXXXXXXXX 21
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                                                                                                                                                                                                                                                                                       (617) 876-5851
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                                                                           Conservative
                                                                                             100.0%; Score 53; DB 4
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                                                                                                                  DB 4;
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Result
No.
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perfect score:
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                                                                                                                                                                                                                                                                                                                                                           Score
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seq length: 2000000000
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1: /cgn2 6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2 6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

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4: /cgn2 6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*

5: /cgn2 6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

6: /cgn2 6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

6: /cgn2 6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

9: /cgn2 6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

9: /cgn2 6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*

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10: /cgn2 6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*

11: /cgn2 6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*

12: /cgn2 6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*

13: /cgn2 6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

14: /cgn2 6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

15: /cgn2 6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

16: /cgn2 6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

16: /cgn2 6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

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16: /cgn2 6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

17: /cgn2 6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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Gapop 10.0 , Gapext 0.5
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Match Length
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1965.343 Million cell updates/sec
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Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
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/ Cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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US-08-736-019-41
US-09-331-631A-32
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US-10-147-095-35
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4 US-10-372-076-214
6 US-10-372-074-214
5 US-10-203-675-5
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Sequence 38, Appl
Sequence 31, Appl
Sequence 32, Appl
Sequence 32, Appl
Sequence 35, Appl
Sequence 35, Appl
Sequence 214, App
Sequence 214, Appl
Sequence 214, Appl
Sequence 214, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 47, Appl
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50	50	48	48	48	48	48	47	47	47	47	47	47	47	47	47	45	45	45	45	45	45	43	43	43	41	40	39	39	38	38	38
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US-08-900-230-58	-900-230-	-10-653-048-37	-10-645-761-37	-10-651-	-10-632-388-37	-10-609-217-37	-10-371-003-9	-10-371-003	-10-371-003-9	-10-371-003-9	0-0	450-842-9	-08-450-842-9	450-84	-450-842-9	-10-437-963-11120	-10-424-599-	-10-371-003-	-08-450-8	230	8-900-230-1	-10-063-685-	-10-184-634-	-10-184-644-	-10 - 124	-10-124-557-	٩	29-386-	-10-380-927-	-10-424-59	US-10-224-286-47
Sequence 58, Appl	equence 8, P	378,	378,	e 378,	(L)	e 378,	'n	e 95,		9	ce 3	Sequence 96, Appl	95	e 94	93,	e L	e 15	e 97	e 97,	14,	ш	e 16	5		Sequence 6, Appli	O	O	æ	(D 6.1	178866	Sequence 47, Appl

ALIGNMENTS

RESULT 1 US-09-331-631A-38

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                                                                                                                                                                                   US-09-331-631A-38
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APPLICANT: Marcus, John Paul
APPLICANT: Galter, Kenneth C.
APPLICANT: Green, Jodie L.
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PASESEQ for Windows Version 3.0
                                                                                    Query Match
Best Local S
Matches 21
                                                                                                                                                                                                                                                SOFTWARE: FastSEQ for Windows
SEQ ID NO 38
LENGTH: 21
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 38, Application US/09331631A Patent No. US20020168392A1
                                                                                                                                                                                                    OTHER INFORMATION: Consensus sequence for antimicrobial peptides OTHER INFORMATION: wherein X is any amino acid.
Н
                        1 CXXXCXXXXXXXXXXXXXXX 21
                                                                                                               Similarity
cxxxcxxxxxxxxxxxxx
                                                                                    100.0%; Score 53; DB 9; illarity 100.0%; Pred. No. 4.9e+02; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ANTIMICROBIAL PROTEINS
21
                                                                                                                                     Length 21;
                                                                                         Indels
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US-08-736-019-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid.
US-10-147-095-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 2
US-10-147-095-38
          SOFTWARE: FRANCE VERSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/736,0:
FILING DATE: 22-OCT-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 41, Application US/08736019 Publication No. US20030207799A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 53; DB 14; Best Local Similarity 100.0%; Pred. No. 4.9e+02 Matches 21; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 38
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 38, Application No. US20 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                 APPLICANT: Chen, MAILO
APPLICANT: Hiles, Ian
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
NUMBER OF SEQUENCES: 189
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR FILING DATE: 1997-12-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23,001APC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
  APPLICATION NUMBER:
                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CXXXCXXXXXXXXXXXXXXX 21
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Marchionni, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stroobant, Paul
Minghetti, Luisa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Goodearl, Andrew
08/471,833
                                                                          US/08/736,019
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US-09-331-631A-32
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                                                                                                                                       NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 32, Application US/09331631A Patent No. US20020168392A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                           TITLE OF INVENTION: ANTIMICROBIAL PROTEINS FILE REFERENCE: CULLN23.001AFC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
FRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER: DATE: 1996-12-20
NUMBER: OF TO NOTE: 1996-12-20
NUMBER: OF TO NOTE: 1996-12-20
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Best Local (
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APPLICANT:
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      FEATURE:
OTHER INFORMATION: Consensus sequence for antimicrobial peptides
OTHER INFORMATION: wherein X is any amino acid.
                                                                       LENGTH: 28
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 24
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION UNMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 06-JUN-
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 24-MAR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
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Similarity 19.0%;
4; Conservative 17
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Marcus, John Paul
Goulter, Kenneth C.
Green, Jodie L.
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Pred. No. 5.5e+02;
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Query Match

100.0%;

Score 53;

DB 9;

Length 28;

Gaps

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US-10-147-095-32; Sequence 32, Application No.
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                                                                                                                                                                             TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
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                                                                                      SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 32
LENGTH: 28
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LENGTH: 28
TYPE: PRT
ORGANISM: Artificial Sequence
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CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR FILING DATE: 1997-12-22
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
OUR PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
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APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
APPLICANT: Green, Jodie L.
APPLICANT: GREENTION: ANTIMICROBIAL PROTEINS
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                                                                                                                                                              NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Manners, John APPLICANT: Marcus, John
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                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                           ORGANISM: Artificial Sequence
OTHER INFORMATION: Consensus sequence for antimicrobial peptides
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o. US20020168392A1
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Goulter, Kenneth C.
Green, Jodie L.
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vo. US20030171274A1
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Pred. No. 6.2e+02;
; Mismatches 0;
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US-10-372-076-214
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APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLA23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
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                                                                                    FILE REFERENCE: 4564/87179
CURRENT APPLICATION NUMBER: US/10/372,076
CURRENT FILING DATE: 2003-02-21
PRIOR APPLICATION NUMBER: 10/080,299
PRIOR FILING DATE: 2002-02-21
PRIOR APPLICATION NUMBER: 10/082,014
PRIOR FILING DATE: 2002-02-22
NUMBER OF SEQ ID NOS: 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 35
LENGTH: 28
                   SOFTWARE: PatentIn
SEQ ID NO 214
LENGTH: 31
                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                         Sequence 214, Application US/10372076 Publication No. US20030198645A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 53; DB 14; Length 28, Best Local Similarity 100.0%; Pred. No. 6.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity Matches 21; Conserv
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                                                                                                                                                                                                                                                                        APPLICANT: Page, Mark
APPLICANT: Friede, Martin
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
TITLE OF INVENTION: CHRONIC HEPATITIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Manners, John M. APPLICANT: Marcus, John Paul
  LENGTH: 3:
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Consensus sequence for antimicrobial peptides OTHER INFORMATION: wherein X is any amino acid and the first and OTHER INFORMATION: X are phenylalanine or Tyrosine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
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Pred. No. 6.2e+02;
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CURRENT APPLICATION NUMBER: US/10/677,074

CURRENT FILING DATE: 2003-10-01

PRIOR APPLICATION NUMBER: 10/372,076

PRIOR FILING DATE: 2002-02-21

PRIOR APPLICATION NUMBER: 10/080,299

PRIOR FILING DATE: 2002-02-21

PRIOR APPLICATION NUMBER: 10/082,014

PRIOR APPLICATION NUMBER: 10/082,014

PRIOR APPLICATION NUMBER: 10/082,014

PRIOR FILING DATE: 2002-02-22
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                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/10203675
Publication No. US20030211097A1
APPLICANT: Department of Health and Human Services
APPLICANT: Duke University
TITLE OF INVENTION: Anti-EGFRVIII SCFVs with Improved Cytotoxicity and
TITLE OF INVENTION: Yield, Immunotoxins Based Thereon, And Methods of Use
TITLE OF INVENTION: Thereof
FILE REFERENCE: 015280-419100US
CURRENT APPLICATION NUMBER: US/10/203,675
CURRENT FILING DATE: 2003-01-07
PRIOR APPLICATION NUMBER: WO PCT/US01/05923
PRIOR FILING DATE: 2001-02-23
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Best Local :
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SEQ ID NO 214
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Publication No. US20040156863A1
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APPLICANT: Beers, Richard
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APPLICANT: Schmidt, Annette Elisabeth
APPLICANT: Schoer, Detlef
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
TITLE OF INVENTION: CHRONIC HEPATITIS
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APPLICANT: Friede, M
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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4; Conservative
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Similarity 19.0%;
4; Conservation
                                                                                                                                                                       Partha, Chowdhury S.

Darell, Bigner

The Government of the United States as represented by the Secretary

Department of Health and Human Services

Duke University
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Pred. No. 6.8e+02;
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Query Match
Best Local Similarity
Watches 4; Conserve
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CURRENT FILING DATE: 2001-12-21
PRIOR PPLICATION NUMBER: PCT/US00/15248
PRIOR FILING DATE: 2000-06-02
PRIOR PPLICATION NUMBER: 60/237,523
PRIOR FILING DATE: 199-06-02
NUMBER OF SEQ ID NOS: 3
SOFTWARE: Patentin version 3.0
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US-10-008-277B-2
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                                                                                                                                                                                      Sequence 2, Application US/10146984A Publication No. US20030144309A1 GENERAL INFORMATION:
          CURRENT APPLICATION NUMBER: US/10/146,984A CURRENT FILING DATE: 2002-05-16 PRIOR APPLICATION NUMBER: US 60/291,340 PRIOR FILING DATE: 2001-05-16 NUMBER OF SEQ ID NOS: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/10008277B Publication No. US20030100549A1
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PRIOR FILING DATE: 2000-02-25
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
NUMBER OF SOFTWARE:
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                                                                                                           APPLICANT: Vertex Pharmaceuticals Incorporated
APPLICANT: Moon, Young Choon
TITLE OF INVENTION: Inhibitors of Src and Other Protein Kinases
FILE REFERENCE: VPI-01-111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Green, Jeremy
APPLICANT: Jasna, Fejzo
APPLICANT: Xie, Xiaoling
TITLE OF INVENTION: Inhibitors of c-Jun N-Terminal Kinases (JNK)
FILE REFERENCE: VPI/99-06 CON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Vertex Pharmaceuticals Incorporated
APPLICANT: Salituro, Francesco
APPLICANT: Bemis, Guy
APPLICANT: Green, Jeremy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: AMBN DNA OTHER INFORMATION: oligomer
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TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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RESULT 14
US-10-224-286-47
; Sequence 47, Application US/10224286
; Publication No. US20030108517A1
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US-09-847-185-47
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LENGTH: 37
TYPE: PRT
ORGANISM: Homo sapiens
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Patent No. US20020076392A1
GENERAL INFORMATION:
APPLICANT: SOO HOO, William
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Best Local :
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: U9/9/847,185
FILING DATE: 01-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 53; DB 14; Local Similarity 19.0%; Pred. No. 7.8e+02; hes 4; Conservative 17. Minner.
                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                          TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 47:
                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCEJOCKET NUMBER: P-IM 2442
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 09/201,931
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: CAMPBELL & FLORES,
STREET: 4370 La Jolla Village
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: SOO HOO, William
TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
COMPRISING GM-CSF AND METHODS OF MODULATING
RESPONSE USING SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                      LENGTH: 38 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (619)535-8949
                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (619)535-9001
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19.0%; Pred. No. 8e+02;
tive 17; Mismatches
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Drive,
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APPLICANT: Cao Yongwei

TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Assc.

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53223)B

CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

LENGTH: 38

LENGTH: 38

TYPP: "--"
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US-10-424-599-178866
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APPLICANT: Soo Hoo, William
APPLICANT: Soo Hoo, William
TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
COMPRISING SAME
OTHER INFORMATION: Clone ID: PAT_MRT3847_132532C.1.pep
                    ORGANISM: Glycine max FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 47:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 53; DB 1 Local Similarity 19.0%; Pred. No. 8e+02; Pes 4; Conservative 17, Minarian
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Pateentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/224,286
FILING DATE: 19-Aug-2002
CLASSIFICATION: <Unknown>
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APPLICATION NUMBER: US/08/902,516
FILING DATE: 29-UUL-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 38 amino acids
TYPE: amino acid
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CORRESPONDENCE ADDRESS:
COMPBELL & FLORES, LLP
STREET: 4370 La Jolla Village Drive,
CITY: San Diego
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: P-IM 2442 TELECOMMUNICATION INFORMATION:
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TELEFAX: (619)535-8949
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		Search completed: February 15, 2005, 18:33:56 Job time : 4.49137 secs	Query Match Best Local Similarity 19.0%; Score 53; DB 15; Length 38; Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0; Qy 1 CXXXCXXXXXXXXXXXXXX 21 Db 11 CCRKCCTCVNPLEELCCKRLC 31

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Result
No.
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Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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                        3542
3542
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1: /cgn2_6/ptodata///pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata///pubpaa/US06_NEW_PUB.pep:*

3: /cgn2_6/ptodata///pubpaa/US06_NEW_PUB.pep:*

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5: /cgn2_6/ptodata///pubpaa/US07_NEW_PUB.pep:*

6: /cgn2_6/ptodata///pubpaa/US07_NEW_PUB.pep:*

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Match Length DB
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      GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.
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14 US-10-147-095-3

14 US-10-147-095-8

15 US-09-331-631A-8

16 US-10-147-095-8

17 US-10-264-303-3

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Sequence 1, Appli
sequence 3, Appli
Sequence 3, Appli
Sequence 5, Appli
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Sequence 3, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 60246, A
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3-12 Sequence 12, Appl	US-10-245-227E	15	425	20.8	735	່າ ເປ
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8676 Sequence 5	US-10-425-114-58	15	447	2	780	9
53614 Sequence 1:	US-10-424-599-15	15	489		2	8
e 3, App	US-10-155-80	14	489			7
Sequence 1	US-10-155-805-	14	524	2	0	9
53615 Sequence 1:	US-10-424-599-15	15	518	٧.	810	5
60105 Sequence 2	US-10-424-599-26	15	584		810.5	4
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5 Sequence 25	US-09-331-631A-2	φ	605	ω.		ï
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8 Sequence 8	US-10-100-303A-	15	614	4.	849	9
Sequence 2	US-10-147-095-2	14	614	4.	849	8
7 Seguence 2	US-09-847-208-2	10	614	4.	849	27
1 Sequence 21	US-09-331-631A-2	ø	614	4	849	9
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7 Sequence 7,	US-10-100-303A-	15	626	٠.	849.5	ũ
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4 Sequence 24	US-10-147-095-2	14	637	۸.		8
4 Sequence 24,	US-09-331-631A-2	9	637	۵.	64	7
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ALIGNMENTS

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                                                                                                                                                                                                                                                                 ; TYPE: PRT ; ORGANISM: Macadamia integrifolia US-09-331-631A-1
                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-331-631A-1
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/09331631A Patent No. US20020168392A1
                                                                                                                                                                            Matches 666;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
                                                                                                                                                                                                                                                                                                                                  LENGTH: 666
61
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                                                                                                             1 MAINTSNLCSLLFLLSLFLLSTTVSLAESEFDRQEYEECKRQCMQLETSGQMRRCVSQCD
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                                                                                 WAINTSNLCSLLFLLSLFLLS
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Sequence 1, Application US/10147095
Publication No. US20030171274A1
GENERAL INFORMATION:
APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Geolter, Kenneth C.
APPLICANT: Green, Jodie L.
TIFLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/9/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
JUMBER OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ for Windows Version 3.0
IENCTH: 66
                                                                   ; LENGTH: 666
; TYPE: PRT
; ORGANISM: Macadamia
US-10-147-095-1
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Matches 666; Conserv
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 100.0%; Score 3542; DB 14; llarity 100.0%; Pred. No. 2.1e-262; Conservative 0; Mismatches 0;
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                              Length
                                666;
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APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLM23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SSEQ ID NO 3
LENGTH: 666
TYPE: PRT
ORGANISM: Macadamia integrifolia
                                                                                                                                                                                                                                                                           RESULT 3
US-09-331-631A-3
; Sequence 3, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL IMPORMATION:
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Sequence 3, Application US/10147095
Publication No. US20030171274A1
GENERAL INFORMATION:
APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Gentler, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23,001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT APPLICATION NUMBER: US/09/331,631A
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LOCATION: (1)...(28)
NAME/KEY: PEPTIDE
LOCATION: (29)...(666)
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; PRIOR FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3.
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Best Local Similarity 96.1%;
Matches 640; Conservative 1
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TYPE: PRT
ORGANISM: Macadamia int.
FEATURE:
NAME/KEY: SIGNAL
LOCATION: (1)...(28)
FEATURE:
NAME/KEY: PEPTIDE
LOCATION: (29)...(666)
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Pred. No. 1.9e-252;
2; Mismatches 14;
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GENERAL INFORMATION:

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APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Green, Jodie L.
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5, Application US/09331631A Patent No. US20020168392A1
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OTHER INFORMATION: Partial mature peptide
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                                                                                        LFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAAPRKEVEESFNSQDQSIFFPGPR
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QHQQQSPRSTKQQQPLVSILDFVGF 666
                                                          LFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAASRKEVEELFNSQDESIFFPGPR
                                                                                                                                                                           EMACPHLSGRHGGRGGGKRHEEEEEVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLL
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Pred. No. 2.6e-238;
9; Mismatches 12;
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APPLICANT: Manners, John M.

APPLICANT: Marcus, John Paul

APPLICANT: Marcus, John Paul

APPLICANT: Goulter, Kenneth C.

APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

FILE REFERENCE: CULLN23.001APC

CURRENT APPLICATION NUMBER: US/10/147,095

CURRENT APPLICATION NUMBER: US/09/331,631A

PRIOR APPLICATION NUMBER: US/09/331,631A

PRIOR FILING DATE: 1999-06-21

PRIOR FILING DATE: 1997-12-22

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR APPLICATION NUMBER: AU PO 4275

PRIOR AP
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LENGTH: 625
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Best Local Similarity
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TYPE: PRT
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EMACPHLSGRHGGRGGGKRHEEBEDVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLL
                                                                                                                             PLYSNKYGQAYEVKPEDYRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVVASGEADV
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ilarity 96.6%;
Conservative
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Pred. No. 2.6e-238;
9; Mismatches 12;
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US-09-331-631A-5

FEATURE:

SOFTWARE:

ENGTH: 625

Query Match

Local Similarity

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APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
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US-09-331-631A-8
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Best Local Similarity 38.7%; rt
Conservative 110;
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NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
SEQ ID NO 8
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APPLICANT: Manners
APPLICANT: Marcus,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 8, Application US/09331631A Patent No. US20020168392A1
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ORGANISM: Gossypium hirsutum (cotton)
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Marcus, John Paul
Goulter, Kenneth C.
Green, Jodie L.
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      KRHEEEEDV---
                                            FROLRDINVTVSALQLNQGSIFVPHYNSKATFVILVTEGNGYAEMVSPHLP----ROSS
                                                                                     YROLODMDLSVFIANVTOGSMMGPFFNTRSTKVVVVASGEADVEMACPHLSGRHGGRGGG
                                                                                                                                GMFRKASQEQIRALSQEATSPR----EKSGE--RFAFNLLSQTPRYSNQNGRFFEACPPE
                                                                                                                                                                    GVIIRASQEQIRELTRDDSESRHWHIRRGGESSRGPYNLFNKRPLYSNKYGQAYEVKPED
                                                                                                                                                                                                                   HRPVNNPGÓFEÉFFPÁGSÓRPOSYLRAFSRÉILEPÁFNTRSEQLDELFGGROSRRRÓOGO
                                                                                                                                                                                                                                                           LQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQTEKLRGVFG------QQRE
                                                                                                                                                                                                                                                                                                      HCDAEKIYLVTNGRGTLTFLTHENKESYNIVPGVVVKVPAGSTVYLANQDNKEKLIIAVL
                                                                                                                                                                                                                                                                                                                                                                                           EQSHNPFHFHRRSFQSRFREEHGNFRVLQRFASRHPILRGINEFRLSILEANPNTFVLPH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FQECQQHCHQQEQRPEKKQQCVRECREKYQE-----NPWRGEREEEAEEEETEEGEQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31.2%; Score 1103.5; DB 9; 38.7%; Pred. No. 8.9e-76; ative 110; Mismatches 175;
    -HYEQVRARLSKREAIVVLAGHPVVFVSSGNENLLLFAF 585
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APPLICANT: MARCHS, John M.
APPLICANT: MARCHS, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Goulter, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 1902-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 8
LENGTH: 590
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US-10-147-095-8
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les 235; Conserv
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YRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVVASGEADVEMACPHLSGRHGGRGGG
                                                                                                                                                                                          LQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQTEKLRGVFG-----QQRE
                                                                                                                                                                                                                                                           HLDADAILLVIGGRGALKMIHHDNRESYNLECGDVIRIPAGTTFYLINRDNNERLHIAKF 365
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 --RQQEERQQPQCQQRCLKRFEQEQQQ-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EDPQTECQQCQRRCRQQESGPRQQQYCQRRCKEICEEEEEEYNRQR--DPQQQYEQCQKHC 133
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                                                                                       GVIIRASQEQIRELTRDDSESRHWHIRRGGESSRGPYNLFNKRPLYSNKYGQAYEVKPED
                                                                                                                                                      HRPVNNPGQFEEFFPAGSQRPQSYLRAFSREILEPAFNTRSEQLDELFGGRQSRRRQQGQ
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ilarity 38.7%;
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Pred. No. 8.9e-76;
0; Mismatches 175; I:
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; TYPE: PRT
; ORGANISM: Anacardium occidental
US-10-264-303-3
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US-10-264-303-3
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APPLICANT: Teuber, Suzanne
TITLE OF INVENTION: Purified Linear Epitopes from Cashew Nuts, Nucleic Acids Encoding
TITLE OF INVENTION: Therefor and Associated Methods
TITLE OF INVENTION: Therefor and Associated Methods
TITLE OF INVENTION: UNMBER: US/10/264,303
TITLE OF INVENTION NUMBER: US/10/264,303
CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: 60/326,793
PRIOR APPLICATION NUMBER: 60/326,793
PRIOR APPLICATION NUMBER: 60/371,774
PRIOR APPLICATION NUMBER: 60/371,774
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.0
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Publication No. US20030124060A1
GENERAL INFORMATION:
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EMACPHLSGRHGGRGGGKRHEBEEDVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLL 581
                                                                   PLYSNKYGQAYEVKPEDYRQLQDMDLSVFIANVTQGSMMGDFFNTRSTKVVVVASGEADV 521
                                                                                                                                                     LNTQTEKLRGVFGQQREGVIIRASQEQIRELTRDDSESRHWHIRRGGESSRGPYNLFNKR 461
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                                           PSQSNKYGQLFEAERIDYPPLEKLDMVVSYANITKGGMSVPFYNSRATKIAIVVSGEGCV
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Publication No. US20030124060A1
GENERAL INFORMATION:
APPLICANT: Roux, Kenneth
APPLICANT: Teuber, Shridhar
APPLICANT: Teuber, Shridhar
APPLICANT: Teuber, Suranne
TITLE OF INVENTION: Furified Linear Epitopes from Cashew Nuts, Nucleic Acids Encoding
FILE REFERENCE: 28396 and 30728
CURRENT APPLICATION NUMBER: US/10/264,303
PRIOR APPLICATION NUMBER: 00/326,793
PRIOR APPLICATION NUMBER: 60/326,793
PRIOR APPLICATION NUMBER: 60/326,793
PRIOR APPLICATION NUMBER: 60/371,774
PRIOR FILING DATE: 2002-04-11
SOFTMARE: PatentIn version 3.0
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TYPE: PRT
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422 EIACPHLSS-----
                                    EMACPHLSGRHGGRGGGKRHEEEEDVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLL 581
                                                                                  PSQSNKYGQLFEAERIDYPPLEKLDMVVSYANITKGGMSVPFYNSRATKIAIVVSGEGCV
                                                                                                                    PLYSNKYGQAYEVKPEDYRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVVASGEADV 521
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                                                                                                                                                                LKTSKDTLEKLFEKODOGTIMKASKEOVRAMSRRGEGPKIWPFT---EESTGSFKLFKKD
                                                                                                                                                                                                    LNTOTEKLRGVFGOQREGVIIRASQEQIRELTRDDSESRHWHIRRGGESSRGPYNLFNKR
                                                                                                                                                                                                                                                                                RIPAGTTFYLINRDNNERLHIAKFLQTISTFGQYKEFFFAGGQNPEPYLSTFSKEILEAA
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                                                                                                                                                                                                                                                                                                                                                                                                       E-RG--OHNYKREDDEDEDEAEBEDENPYVFEDEDFTTKVKTEQGKVVLLPKFTQKSK 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ----SKSSHPSYKKLRARIRKDTVFIVPAGHPFATVASGNENLE
    SKSSHPSYKKLRARIRKDTVFIVPAGHPFATVASGNENLE
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APPLICANT: Green, Jodie L.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 199-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 7
LENGTH: 525
TYPE: PRI
ORGANISM: Theobroma cacao
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, John L.
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                                                                                                                                                                  YNLFNKRPLYSNKYGQAYEVKPEDYRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVV
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GHAVTÉFASKDQPLNAVÁFGLNÁQNNQRIFLÁGR
                                GHPVVFVSSGNENLLLFAFGINAQNNHENFLAGR 600
                                                                    TDGYGYAQMACPHLSRQSQGSQSGRQDRREQEEESEEETFGEFQQVKAPLSPGDVFVAPA
                                                                                               ASGEADVEMACPHLSGRHGGRGGGK--RHEEEEDV-----HYEQVRARLSKREAIVVLA
                                                                                                                                           INLLSQSPVYSNQNGRFFEACPEDFSQFQNMDVAVSAFKLNQGAIFVPHYNSKATFVVFV
                                                                                                                                                                                                                 NTOREKLEEILEEORGOKROOGOOGMFRKAKPEOIRAISOOATSPRH----RGGE--RLA
                                                                                                                                                                                                                                                   NTQTEKLRGVFGQQR-----EGVIIRASQEQIRELTRDDSESRHWHIRRGGESSRGP
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US-10-147-095-7

Sequence 7, Application US/10147095

Publication No. US20030171274A1

GENERAL INFORMATION:

APPLICANT: Marcus, John M.

APPLICANT: Marcus, John Paul

APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

FILLE REFERENCE: CULLN23:001APC

CURRENT APPLICATION NUMBER: US/10/147,095

CURRENT APPLICATION NUMBER: US/09/331,631A

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR APPLICATION NUMBER: AU PO 4275

PRIOR FILING DATE: 1996-12-20

NUMBER OF SEQ ID NOS: 40

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 7

LENGTH: 525

TYPE: PRT

ORGANISM: Theobroma cacao
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US-10-147-095-7
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Best Local Similarity
Matches 210; Conserv
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                                                                                TDGYGYAQMACPHLSRQSQGSQSGRQDRREQEEESEEETFGEFQQVKAPLSPGDVFVAPA
                                                                                                                      ASGEADVEMACPHLSGRHGGRGGGK--RHEEEEDV-----HYEQVRARLSKREAIVVLA 566
                                                                                                                                                                                                       YNLFNKRPLYSNKYGQAYEVKPEDYRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVV
                                                                                                                                                                                                                                                                                            NTOTEKLRGVFGQOR-----EGVIIRASQEQIRELTRDDSESRHWHIRRGGESSRGP 454
                                                                                                                                                                                                                                                                                                                                         VPAGSTVYVVSQDNQEKLTIAVLALPVNSPGKYELFFPAGNNKPESYYGAFSYEVLETVF
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GHAVTFFASKDQPLNAVAFGLNAQNNQRIFLAGR
                                 GHPVVFVSSGNENLLLFAFGINAQNNHENFLAGR
                                                                                                                                                              INLLSQSPVYSNQNGRFFEACPEDFSQFQNMDVAVSAFKLNQGAIFVPHYNSKATFVVFV
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Pred. No. 7.8e-70;
3; Mismatches 157;
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235

116

; Sequence

60246, Application US/10425114

469

514

RESULT 13 US-10-425-114-60246

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publication No. US20040034888A1

GENERAL INFORMATION:

APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yihua

APPLICANT: Zhou, Yihua

APPLICANT: Screen, Steven E

APPLICANT: Tabaska, Jack E

APPLICANT: Tabaska, Jack E

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53313)B

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT APPLICATION DAMBER: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 60246

LENGTH: 582

TYPE: PRT

ORGANISM: Zea mays
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              GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David
APPLICANT: Screen, Steven
                                                                                                      RESULT 14
US-10-425-114-39532
Sequence 39532, Application US/10425114
Publication No. US20040034888A1
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Best Local Similarity
Matches 198; Conserv
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                                                                                                                                                                                                                                                                                   DSNLQIVCFEVHADRNEKVFLAGAD-NVLQKLDRVAKALSFASKAEEVDEVLGSRREKGF
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Kovalic, David
Screen, Steven I
Tabaska, Jack E
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RESULT 15 US-09-331-631A-22

Sequence 22, Application US/09331631A Patent No. US20020168392A1 GENERAL INFORMATION:

APPLICANT: Manners, John M.
APPLICANT: Garcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR PILING DATE: 1997-12-22
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20

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TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 39532
LENGTH: 584
TYPE: PRT
ORGANISM: Zea mays
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Best Local Similarity
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OTHER INFORMATION:
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LPGPKESGGHEEREQEEEEERE 536
                                                                  DSNLQIVCFEVHADRNEKVFLAGAD-NVLQKLDRVAKALSFASKAEEVDEVLGSRREKGF
                                                                                                 NENLTIFAFGINAQNIHENFLAGRERNYLQQIEPQAMELAFAAPRKEYEESFNSQDQSIF 636
                                                                                                                                      QGGESERERDKGRRSEEEEEESSEEQEEAGQGYHTIRARLSPGTAFVVPAGHPFVAVASR
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                               FPGPRO---HOOOSPRSTKQQQ 655
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; Pred. No. 1.6e-60;
92; Mismatches 182;
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Search completed: February 15, 2005, 18:33:51 Job time: 113.726 secs
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; SOPTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 582
; TYPE: PRT
; ORGANISM: Maize
US-09-331-631A-22
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                                                  637 FPGPRQ---HQQQSPRSTKQQQ 655
                                                                                          577 NENLLLFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAAPRKEVEESFNSQDQSIF
                                                                                                                                471 AYEVKPEDYRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVVASGEADVEMACPHLSG
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                                                                             444 DSNLQIVCFEVHADRNEKVFLAGAD-NVLQKLDRVAKALSFASKAEEVDEVLGSRREKGF 502
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      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1. /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

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3. /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4. /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5. /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

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1220.271 Million cell updates/sec
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170	170.5	170.5	170.5	170.5	175	176	178	181.5	186	186	186	191	193	193	193	195.5	195.5
4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.0	5.1	5 .3	5.3	5.3	5.4	5.4	5.4	5.4	5.5	5.5
919	1233	1233	1233	505	797	585	779	584	843	784	735	148	1375	1375	1375	1239	1239
4	4.	4.	4	4	4	4	4	4	4	4	4	4	4.	w	w	4	4
US-09-949-016-6954	US-09-645-791-35	US-09-425-324A-35	US-09-645-456A-35	US-09-248-796A-19253	US-09-949-016-9676	US-09-949-016-6627	US-10-164-595-56	US-09-949-016-8587	US-10-164-595-54	US-10-164-595-79	US-10-164-595-80	US-09-639-207-15	US-09-721-689-2	US-09-721-832-2	US-09-722-139-2	US-09-291-417D-13	US-09-688-188B-13
Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
6954, Ap	35, Appl	35, Appl	35, Appl	19253, A	9676, Ap	6627, Ap	56, Appl	8587, Ap	54, Appl	79, Appl	80, Appl	15, Appl	2, Appli	2, Appli	2, Appli	13, Appl	13, Appl

ALIGNMENTS

RESULT 1 US-07-955-905A-2

US/07955905A

US-07-955-905A-2 Sequence 2, Application Patent No. 5770433 GENERAL INFORMATION: TITLE OF INVENTION: RECOMBINANT 47 AN TITLE OF INVENTION: PRECURSOR NUMBER OF SEQUENCES: 28 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, V.
CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/955,905A FILING DATE: 21-JAN-1993 CLASSIFICATION: 435 INFORMATION FOR SEQ ID NO: 2: LENGTH: 566 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein SEQUENCE CHARACTERISTICS: APPLICANT: Version AND 31 kD COCOA PROTEINS #1.25

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US-07-955-905A-22
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CURRENT APPLICATION DATA,
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acide
TYPE: amino acide
TYPE: amino acide
TYPE: amino acide
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Best Local Similarity
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NAME/KEY: Protein
LOCATION: 1..566
OTHER INFORMATION:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                  LKGINDYRLAMFĖANĖNTFILPHHCDABAIYFVTNGKGTITFVTHENKĖSYNVQRGTVVS 235
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40.4%; Pred. No. 2.2e-92;
tive 109; Mismatches 177; Indels
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US-07-955-905A-23
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Vectoration Data: US/07/955,905A FILING DATE: 21-JAN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No. 5770433
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 587 amino acids
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nes 231; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: Protein LOCATION: 1.587
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
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            124
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  QECQQHCHQQEQRPERKQQCVAECRERYQE-----
                                      EDCRRRCEQQE---PRQQHQCQLRCREQQRQHGRGGDMMNPQR------GGSGRYEEGEEE 246
                                                                                                    -RQQEERQRPQCQQRC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                    30.4%; Score 1075; DB 1; Length 58
38.6%; Pred. No. 1.1e-87;
tive 113; Mismatches 181; Indels
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APPLICANT: BANDON, GARY A.

TITLE OF INVENTION: Peanut Allergens and Me.
FILE REFERENCE: HS 103 CIP
CURRENT APPLICATION NUMBER: US/09/106,872A
CURRENT FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: PCT/US96/15222
PRIOR FILING DATE: 1996-09-23
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver 7 7
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US-09-106-872A-4
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                                                                                                                                                                                                                                                                                                                                                                                             SEQ
                               OTHER INFORMATION: OTHER INFORMA
                                                                                                                                                                                                                                                                                                                                                         EQ ID NO 4
LENGTH: 626
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 R INFORMATION:
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Sampson, Hugh A.
Helm, Ricki M.
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Stanley, J. Ste
Cockrell, Gael
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Amino Acids 107-116 a
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Amino Acids 65-74
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Amino Acids 48-57
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I. Steven
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COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Vers
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: mino acids
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GENERAL INFORMATION:
APPLICAMT:
ITILE OF INVENTION: RECC
TITLE OF INVENTION: PREC
UNMBER OF SEQUENCES: SORM
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
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US-07-955-905A-24
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                               LYSNKYGQAYEVKPEDYRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVVVASGEADVE 522
                                                                                                                                                            RDNNERLHIAKFLQTISTFGQYKEFFFAGGQNPEPYLSTFSKEILEAALNTQTEKLRGVF 413
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                                                                  FSREEGQQQGEQRLQESVIVEISKEQIRALSKRAKSSS----RKTISSEDKPFNLRSRDP
                                                                                                 ------GQQR---EGVIIRASQEQIRELTRDDSESRHWHIRRGGESSRGPYNLFNKRP 462
                                                                                                                                    PÜNNENLRLITLAIPVNKPGRFESPFLSSTEAQQSYLQGFSRNILEASYDTKFEEINKVL
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US-07-955-905A-25
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FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 571 amino acids
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TITLE OF INVENTION: RECOMBINANI *, TITLE OF INVENTION: PRECURSOR
NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Ve
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Best Local Similarity
Matches 195; Conserv
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GENERAL INFORMATION:
APPLICANT:
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NAME/KEY: Protein
LOCATION: 1..571
OTHER INFORMATION:
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ORIGINAL SOURCE:
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Conservative 110;
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Pred. No. 5.8e-65;
0; Mismatches 184;
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APPLICANT: Grimes, et al.
TITLE OF INVENTION: Sucrose binding protein
FILE REFERENCE: 4630-50206
CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT APPLICATION NUMBER: DET/US98/10465
PRIOR APPLICATION NUMBER: DET/US98/10465
PRIOR PILLING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: US 60/047,568
PRIOR FILLING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 524
TYPE: PRT
ORGANISM: Glycine max
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US-09-424-283-1
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                                                                                                                               AALQTPKGKLENVFDQQNEGSIFRISREQVRALA-PTKKSSWWPF--GGE-SKPQFNIFS
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                                                         KRPTISNGYGRLTEVGPDDDEKSWLQRLNLMLTFTNITQRSMSTIHYNSHATKIALVIDG
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SOFTWARE: PatentIn V
SEQ ID NO 3
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Best Local Similarity
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                     PSEERGRRA 487
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                                                         QHQQQSPRS 650
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CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
PRIOR APPLICATION NUMBER: PCT/US98/10465
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: US 60/047,568
PRIOR FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
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SEQ ID NO 2
Sequence 18, Application US/09323195A
Patent No. 6462257
GENERAL INFORMATION:
APPLICANT: Pullman, Gerald
APPLICANT: Cairney, John
APPLICANT: Perrera, Ranjan
TITLE OF INVENTION: VICILIN-LIKE SEI
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Best Local :
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TITLE OF INVENTION: Sucrose binding proteins
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ORGANISM: Glycine
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                                                                                                                                                                                              ENLLMICFEVNAR 444
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Ranjan
VICILIN-LIKE SEED STORAGE PROTEIN GENE PROMOTER
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35.9%; Pred. No. 3e-59;
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US-09-323-195A-18
                                                                                                                                                                                                                                                                                                                                                                                                               US-09-424-283-4
                                                      ; ORGANISM: Glycine
US-09-424-283-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/09424283
Patent No. 6437219
GENERAL INFORMATION:
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FILE REFERENCE: IPST0009
CURRENT APPLICATION NUMBER: US/09/323,195A
CURRENT FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
                                                                                                                              SOFTWARE:
SEQ ID NO 4
Query Match
Best Local Similarity
                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/424,283 CURRENT FILING DATE: 1999-11-19 PRIOR APPLICATION NUMBER: PCT/US98/10465 PRIOR FILING DATE: 1998-05-21 PRIOR APPLICATION NUMBER: US 60/047,568 PRIOR FILING DATE: 1997-05-22
                                                                                                                                                                                                                                                                                                                  APPLICANT: Grimes, TITLE OF INVENTION:
                                                                                                                                                                  NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                  FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 4.
TYPE: PRT
                                                                                         LENGTH: 40
TYPE: PRT
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Local Similarity 37.8%; Pr
hes 162; Conservative 85;
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                                                                                                                                                 PatentIn Ver. 2.0
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 19.8%;
36.5%;
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Pred. No. 6.9e-59;
5; Mismatches 158
   Score
Pred.
   700.5; DB 4;
No. 2.5e-54;
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US-07-955-905A-26
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GENERAL INFORMATION:
                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 149;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: RECOMBINANT 47 AN TITLE OF INVENTION: PRECURSOR NUMBER OF SEQUENCES: 28 COMPUTER READABLE FORM: COMPUTER: IBM PC COMPUTER: IBM PC COMPUTER: IBM PC COMPUTER: POSSITEM: PC-DOS/MS-DOS SOPTWARE: Patentin Release #1.0, VC CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
                                                                                                                                                                                                                                    FEATURE:
NAME/KEY: Protein
LOCATION: 1..410
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                     Local Similarity tes 147; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/07/955,905A FILING DATE: 21-JAN-1993 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                 ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
                        309
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ADAILLVIGGRGALKMIHHDNRESYNLECGDVIRIPAGTTEYLINRDNNERLHIAKFLQT
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                                                            ENPFIFKSNRFQTLYENENGHIRLLQKFDKRSKIFENLQNYRLLEYKSKPHTLFLPQYTD
                                                                                                 DNPYYFDERSLSTRFRTEEGHISVLENFYGRSKLLRALKNYRLVLLEANPNAFVLPTHLD
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                                                                                                                                     19.7%; So llarity 36.9%; Pr Conservative 79;
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                                                                                                                                     Score 699.5; DB 1;
Pred. No. 3.1e-54;
9; Mismatches 143;
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TITLE OF INVENTION: VICILIN-LIKE SEED STORAGE
TITLE OF INVENTION: WETHODS OF USING THE SAME
FILE REFERENCE: IPSTO009
CURRENT APPLICATION NUMBER: US/09/323,195A
CURRENT FILING DATE: 199-06-01
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17, Application US/09323195A Patent No. 6462257 GENERAL INFORMATION:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                              283 LRALKNYRLVLLEANPNAFVLPTHLDADAILLVIGGRGALKMIHHDNRESYNLECGDVIR 342
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                                          TOGEGRIEMACPHL-GOHG--WSSRREKGDQEINYORVRARLRTGTVYVVPAGHPITEIA
                                                                                                                                                                                                                                    LNTQTEKLRGVFGQ--QREGVIIRASQEQIRELTRD-----DSESRHWHIRRGGESSRGP 454
                                                                                                                                                                                                                                                                         VPSGHTFYLVNNDDHNSLRITSLLRTVSTMRGEYEPYYVAGGRNPETVYSAFSDDVLEAA
                                                                                                                                                                                                                                                                                                                                                        LEGISKYRVTCIEMRPNTVMLPHYLDATWILYVTGGRGYIAYVHQNELVKRKLEEGDVFG 146
                                                                                                                                                                                                                                                                                                                                                                                                                                 HGRG------HQRREEEREENPYVFHSDRFRMRASSDAGEIRALPNFGEASEL
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      SGNENLLLFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAAPR-KEVEESFNSQDQ 633
                                                                            ASGEADVEMACPHLSGRHGGRGGGKRHEEEEDVHYEQVRARLSKREAIVVLAGHPVVFVS
                                                                                                                     FNLRNQKPDFENDNGRFTRAGPNENPLLDAVDVTAGFGVLNPGTMTAPSHNTKATSIAIV
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                                                                                                                                                       YNLENKRPLYSNKYGQAYEVKPEDYRQLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVVV
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Pred. No. 1.9e-53;
2; Mismatches 166;
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317

257

206

282

RESULT 14 US-07-955-905A-27

Sequence 27, Application US/07955905A Patent No. 5770433 GENERAL INFORMATION:

TITLE OF INVENTION: TITLE OF INVENTION: NUMBER OF SEQUENCES: COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy

APPLICANT:

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434 QVILRGPOMORRDEPRSS 451

SIFFPGPRQHQQQSPRST 651

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Query Match 15.3%; Score 542; DB 1; Best Local Similarity 33.1%; pred. No. 4.4e-40; Matches 141; Conservative 71; Mismatches 158
                              592 NHENFLAGRERNYLOQI-----EPQAMELAFAAPRKEVEESFNSQDQSIFFPGPRQHQQQ 646
                                                                                                                                                                                                                                             416 --QREGVIIRASQBQIRELTRDDSESRHWHIRRGGESSRGPYNLFNKRPLYSNKYGQAYB
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                                                                                                    HGGRGGGKRHEEEEDVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLLLFAFGINAQN 591
                                                                                                                                                                            VKPEDYRQLQDMDLSVFIANV--TQGSMMGPFFNTRSTKVVVVASGEADVEMACPHLSGR
                                                                                                                                                                                                              EGÖQEĞVİVNIDSEQIKELSK-----HAKSSSRKS-----LSKQDNTIGNEFGNLTE
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                                                                                                                                         ----RTDNSLNVLÍSSIEMEEGALFVPHYYSKAIVILVVNEGEAHVELVGPK----
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APPLICANT: Bannon, Gary A.
ITITLE OF INVENTION: Peanut Allergens and Met.
FILE REFERENCE: HS 103 CIP
CURRENT APPLICATION NUMBER: US/09/106,872A
CURRENT FILING DATE: 199-06-29
PRIOR APPLICATION NUMBER: PCT/US96/15222
PRIOR FILING DATE: 1996-09-23
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver. 2.1
LENGTH: 335
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; ORGANISM: Arachis hypogaea
US-09-106-872A-17
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US-09-106-872A-17
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Best Local Similarity
Matches 112; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               63 RWSTRSSENNEGVIVKVSKEHVEELTKHAKS-----VSKKGSEEEGDITNPINLREGEPD 117
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Stanley, J. Stev
Cockrell, Gael
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Helm, Ricki M.
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J. Steven
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MOLECULE TYPE: Protein
ORIGINAL SOURCE: Protein
ORGANISM: Phaseolus vu
FEATURE:
NAME/KEY: Protein
COCATION: 1.421
OTHER INFORMATION: /nc

Phaseolus vulgaris

CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:

27:

TYPE: amino acid TOPOLOGY: linear

LENGTH:

421 amino acids

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993

Version

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

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Maximum Match 100%
Listing first 45 summaries
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          3532
3412
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seq length: 2000000000
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Match Length DB
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3: /cgn2_6/ptodata/1/mwhma./maa.
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Copyright (c) 1993 - 2005 Compugen Ltd.
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15 US-09-331-631A-5
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9 US-09-331-631A-7
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78,	US-09-731-221-7			844	ü
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e 15	US-10-424-599-153		•	59	29
10, App	US-10-253-286-1			65	8
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7, Appl	US-10-100-303A		•	65	8
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28,	US-09-847		•	865.5	24
110, Ap	-10-100-303A-		•	6	3
8	US-10-100-303A-		•	73	22
21, App	US-10-147		•	73	21
e 27,	US-09-847-208-2		•	73	8
21,	US-09-331-631A-2		•	73	9
e 24,	US-10-147-095			875	8
24,	US-09-331-631#		•	875	17
Sequence 22, Appl	US-10-147-095		•	895	6
22,	9 US-09-331-631A-22		•	895	տ
Sequence 39532, A	15 US-10-425-114-39532			901	14

ALIGNMENTS

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US-09-331-631A-3

Sequence 3, Application US/09331631A

PATENT NO. US20020168392A1

GENERAL INFORMATION:
APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Geneen, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLM23.001APC
CURRENT PILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILLING DATE: 1997-12-2
PRIOR FILLING DATE: 1997-12-2
PRIOR FILLING DATE: 1996-12-20

NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 666
TYPE: PRT
ORGANISM: Macadamia integrifolia
FEATURE:
NAME/KEY: SIGNAL
LOCATION: (1)...(28)
NAME/KEY: PEPTIDE
LOCATION: (29)...(666)
US-09-331-631A-3
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Query Match 100.0%; Score 3532; DB 9; Length 666; Best Local Similarity 100.0%; Pred. No. 2.5e-265; Matches 666; Conservative 0; Mismatches 0; Indels 0; Gaps

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APPLICANT: Marcus, John M.
APPLICANT: Marcus, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Geen, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/9/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR APPLICATION NUMBER: DET/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 2
US-10-147-095-3
                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/10147095 Publication No. US20030171274A1 GENERAL INFORMATION:
   TYPE: PRT
ORGANISM: Macadamia
FEATURE:
                                                       LENGTH: 666
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IISASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRPLYSNKYGQAYEVKPEDYR
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US-09-331-631A-1
; Sequence 1, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL INFORMATION:
APPLICANT: Marcus, John M.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
; CURRENT FILING DATE: 1999-06-21
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; LOCATION: (1)...(28)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (29)...(666)
US-10-147-095-3
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RESULT 4
US-10-147-095-1
; Sequence 1, Application US/10147095
; Publication No. US20030171274A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Goulter, Kenneth C.
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PRIOR FILING DATE: 1997-12-22
PRIOR PILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
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TYPE: PRT
ORGANISM: Macadamia
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96.1%; Pred. No. 5.1e-256;
9ive 12; Mismatches 14;
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APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

FILE REFERENCE: CULLN23.001APC

CURRENT APPLICATION NUMBER: US/10/147,095

CURRENT FILING DATE: 2002-05-15

PRIOR APPLICATION NUMBER: US/09/331,631A

PRIOR FILING DATE: 1999-06-21

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR FILING DATE: 1997-12-22

PRIOR APPLICATION NUMBER: AU PO 4275

PRIOR APPLICATION NUMBER: AU PO 4275

PRIOR FILING DATE: 1996-12-20

NUMBER OF SEQ ID NOS: 40

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 1

LENGTH: 666

TYPE: PRT

ORGANISM: Macadamia integrifolia

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 LDFVGF
                                                                                           HEEEEDVHYEQVRARLSKREAI VVLAGHPVVFVSSGNENLLLFAFGINAQNNHENFLAGR
                                                                                                                                                    QLQDMDLSVFIANVTQGSMMGPFFNTRSTKVVVVVASGEADVEMACPHLSGRHGGRGGGKR
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ilarity 96.1%;
Conservative 12
666
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; Pred. No. 5.1e-256;
12; Mismatches 14;
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Sequence 5, Application US/09331631A
Patent No. US20020168392A1
GENERAL INFORMATION:
APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
SOFTWARE: FRASUSEO for Windows Version 3.0
SEQ ID NO 5
SEQ ID NO 5
TYPE: PRT
ORGANISM: Macadamia integrifolia
FRATURE: FRATURE:
NAME/VEV.
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Best Local
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LOCATION: (1)...(625)
OTHER INFORMATION: Partial mature peptide
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                          QHQQQSSRSTKQQQPLVSILDFVGF 666
                                                                       LFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAAPRKEVEELFNSQDESIFFPGPR 641
                                                                                                                   l fafginagnnhenflagrernvlogi epgamelafaasrkeveelfnsodesi ffpgpr
                                                                                                                                                                                    PLYSNKYGQAYEVKPEDYROLODMDVSVFTANITOGSMMGPFFNTRSTKVVVVASGEADV
                                                                                                                                                                                                           PLYSNKYGQAYEVKPEDYRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASGBADV
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                                                                                                                                                                                                                                                                                                                      RIPAGTTFYLINRDNNERLHIAKFLOTISTPGOYKEFFPAGGONPEPYLSTFSKBILEAA
                                                                                                                                                                                                                                                                                                                                                                                        LLRALKNYRLVLLEANENAFVLETHLDADAILLVIGGRGALKWIHRDNRESYNLECGDVI
                                                                                                                                                                                                                                                                                                                                                                                                           LLRALKWYRLVLLEANFNAFVLPTHLDADAILLVTGGRGALKWIHRDNRESYNLBCGDVI 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                        QHGRGGDLMNPQRGGSGRYEEGEEKQSDNPYYFDERSLSTRFRTEEGHISVLENFYGRSK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OHGRGGDLINPQRGGGGRYEEGEEKQSDNPYYFDERSLSTRFRTEEGHISVLENFYGRSK 281
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96.6%;
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Pred. No. 9.2e-241;
7; Mismatches 14;
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APPLICANT: Marcus, John Paul
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Renneth C.
APPLICANT: Goulter, Renneth C.
APPLICANT: Green, Jodie L.
FILE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLU23,001APC
CURRENT FILING DATE: 2002-05-15
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PC7/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ for Windows Version 3.0
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; LOCATION: (1)...(625)
; OTHER INFORMATION: Partial mature peptide
US-10-147-095-5
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US-10-147-095-5
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Publication No. US20030171274A1
GENERAL INFORMATION:
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ORGANISM: Macadamia integrifolia
FEATURE:
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EMACPHLSGRHGGRRGGKRHEEEEDVHYEQVKARLSKREAIVVPVGHPVVFVSSGNENLL
                                                                         PLYSNKYGQAYEVKPEDYRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASGEADV
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                                                 PLYSNKYGQAYBVKPEDYRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASGBADV
                                                                                                                   LNTOTERLRGYLGÓOREGVIIRASOEOIRELTRODSESRRWHIRRGGESSRGEYNLENKR
                                                                                                                                       LNTQAERLRGVLGQQREGVIISASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKR
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                                                                                                                                                                                                                                                                                                                      QHGRGGDLMNPQRGGSGRYEEGEEKQSDNPYYFDERSLSTRFRTEEGHISVLENFYGRSK
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Pred. No. 9.2e-241;
7; Mismatches 14;
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RESULT 7
US-09-331-631A-8
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APPLICANT: Manners,
APPLICANT: Marcus,
APPLICANT: Goulter,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 8
LENGTH: 590
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Best Local
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ORGANISM: Gossypium hirsutum (cotton)
-09-331-631A-8
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CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
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APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             y Match 31.3%; Score 1105.5; DB 9; Length 590;
Local Similarity 38.4%; Pred. No. 4.7e-77;
hes 233; Conservative 113; Mismatches 174; Indels 87;
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                                                                                                                                                                                                                 HRPVNNPGOFEEFFPAGSORPOSYLRAFSREILEPAFNTRSEQLDELFGGROSRRROOGO
                                                                                                                                                                                                                                                         LQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQAERLRGVLG-----QQRE
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    KRHEEEEDV----
                                          FROLRDINVTVSALQLNQGSIFVPHYNSKATFVILVTEGNGYAEMVSPHLP-----ROSS
                                                                                  YRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASGEADVEMACPHLSGRHGGRRGG
                                                                                                                                                                       GVIISASQEQIRELTRODSESRRWHIRRGGESSRGPYNLFNKRPLYSNKYGQAYEVKPED
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  -----HYEQVKARLSKREAIVVPVGHPVVFVSSGNENLLLFAF 585
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APPLICANT: Marcus, John Maul
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
ITITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT FILING DATE: 2002-05-15
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR PRILING DATE: 1997-12-22
PRIOR PRILING DATE: 1996-12-20
VIMBER OF ESQ ID NOS: 40
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 8
LENGTH: 590
ORGANISM: Gossypium hirsutum (cotton)
ORGANISM: Gossypium hirsutum (cotton)
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US-10-147-095-8
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hes 233; Conserv
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HLDADAILLVTGGRGALKMIHRDNRESYNLECGDVIRIPAGTTFYLINRDNNERLHIAKF 365
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                                                                                                                                                                                        LQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQAERLRGVLG------QQRE
                                                                                                                                                                                                                                                                                                                                                                                                       FQECQQHCHQQEQRPEKKQQCVRECREKYQE-----NPWRGEREEEAEEEETEEGEQ
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                                                                GMFRKASQEQTRALSQEATSPR----EKSGE--RFAFNLLSQTPRYSNQNGRFFEACPPE
                                                                                                      GVIISASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRPLYSNKYGQAYEVKPED
                                                                                                                                                     HRPVNNPGOFEEFFPAGSORPOSYLRAFSREILEPAFNTRSEOLDELFGGROSRRROOGO
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GENERAL INFORMATION:

APPLICANT: Manners, John M.
APPLICANT: Goulter, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLAV3.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
NUMBER APPLICATION NUMBER: AU PO 4275
NUMBER OF SEQ ID NOS: 40
SOFTMARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Theobroma cacao US-09-331-631A-7
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US-09-331-631A-7
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Best Local Similarity
Matches 213; Conserv
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Patent No. US20020168392A1
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TYPE: PRT
                       515 ASGEADVEMACPHLSGRHGGRRGGK--RHEEEEDV-----HYEQVKARLSKREAIVVPV 566
                                                              350 INLLSOS PVÝSNONORFFEACPEDFSOFONNOVAVSAFKLNÓGAIFV PHYNSKATFVÝFV 409
                                                                                       455 YNLENKRELYSNKYGQAYEVKPEDYRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVV 514
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                                                                                                                                                                                 NTQAERLRGVLGQQR------EGVIISASQEQIRELTRDDSESRRWHIRRGGESSRGP 454
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APPLICANT: Marcus, John Paul
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION UNMEER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR PILING DATE: 1999-06-21
PRIOR PRIOR DATE: 1999-06-21
PRIOR APPLICATION NUMBER: POT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
NUMBER OF SEQ ID NOS: 40
SOPTMARE: FASTSEQ for Windows Version 3.0
1. FEMCTM: CSE
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; TYPE: PRT
; ORGANISM: Theobroma cacao
US-10-147-095-7
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US-10-147-095-7
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Publication No. US20030171274A1
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                                      567
                                                                                                                                                                    455 YNLFNKRPLYSNKYGQAYEVKPEDYRQLQDMDVSVFIANITQGSMMGPEFNTRSTKVVVV
                                                                                                                                                                                                             296 NTOREKLEBILBEÖRGOKROOGOOMFRKAKPEÕIRAISOOATSPR----HRGGE--RLA
                                                                                                                                                                                                                                               403 NTQAERLRGVLGQQR------EGVIISASQEQIRELTRDDSESRRWHIRRGGESSRGP 454
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                                                                                                                                                                                                                                                                                                                                                                                               283 LRALKNYRLVLLEANPNAFVLPTHLDADAILLVTGGRGALKWIHRDNRESYNLECGDVIR 342
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                                                     TDGYGYAQMACPHLSRQSQGSQSGRQDRREQEEESEEETFGEFQQVKAPLSPGDVFVAPA
                                                                                 ASGEADVEMACPHLSGRHGGRRGGK--RHEBEEDV------HYEQVKARLSKREAIVVPV 566
                                                                                                                                INLLSQS PVÝSNONGRFFEACPEDFSOFONNDVAVSAFKLNÓGAIFVPHYNSKATFVVFV 409
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  ER-GEHENYHNHKKNRSEEEEEGOORNNPYYFPKRRSFOTRFRDEEGNFKILORFAENSPP 175
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29.3%; Score 1036; DB 14; Length 11arity 41.4%; Pred. No. 9.9e-72; Conservative 91; Mismatches 156; Indels
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US-10-264-303-3
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LENGTH: 540
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APPLICANT: Sathe
APPLICANT: Teube
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tch 29.1%; Score 1027.5; DB 14, al Similarity 37.4%; Pred. No. 4.7e-71; 207; Conservative 118; Mismatches 173;
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                                                                                                 PGPRQHQQQSSRS
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                           RESULT 13
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Sequence 60246, Application US/10425114
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APPLICANT: Sathe, Shridhar
APPLICANT: Sathe, Shridhar
APPLICANT: Teuber, Suzanne
TITLE OF INVENTION: Therefor and Associated Met
FILE REFERENCE: 28396 and 30728
CURRENT APPLICATION NUMBER: US/10/264,303
CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: 60/326,793
PRIOR APPLICATION NUMBER: 60/371,774
PRIOR FILING DATE: 2001-10-03
PRIOR APPLICATION NUMBER: 60/371,774
PRIOR FILING DATE: 2002-04-11
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.0
SEQ ID NO 4
LENGTH: 536
TYPE: PRT
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ENLETVCFEVNAEGNIRYTLAGK-KNIIKVMEKEAKELAFKMEGEEVDKVFGKQDEEFFF
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                                                  <u>ENLLLFAFGINAQNNHENFLAGRERNVLQQIBPQAMELAFAAPRKEVEELFNSQDESIFF</u>
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RESULT 14

US-10-425-114-39532

; Sequence 39532, Application US/10425114

; Publication No. US20040034888A1

; GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 60246

LENGTH: 582

TYPE: PRT

ORGANISM: Zea mays

FEATURE:

ORGANISM: Zea mays
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APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
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GENERAL INFORMATION:
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Best Local Similarity
                  APPLICANT:
                                                      APPLICANT: Liu, Jingdong APPLICANT: Zhou, Yihua
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Zhou, Yihua
Kovalic, David K.
Screen, Steven E
Tabaska, Jack E
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ilarity 39.8%;
Conservative 8
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; Pred. No. 3.4e-61;
84; Mismatches 181;
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APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Gulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR PILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20

RESULT 15 US-09-331-631A-22

Sequence 22, Application U Patent No. US20020168392A1 GENERAL INFORMATION:

US/09331631A

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TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53313)B
CURRENT EDILICATION NUMBER: US/10/425,114
CURRENT FILLING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 39532
LENGTH: 584
TYPE: PRT
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REKGFLPGPKESGGHEEREQEEEEERE
                                  DESIFFPGPRQ---HQQQSSRSTKQQQ
                                                                        AVASRDSNLQIVCFEVHADRNEKVFLAGAD-NVLQKLDRVAKALSFASKABEVDEVLGSR
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39.8%;
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; Pred. No. 3.5e-61;
84; Mismatches 181;
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; SOFTWARE: FASTSEQ for Windows Version
; SEQ ID NO 22
; LENGTH: 582
; TYPE: PRT
; ORGANISM: Maize
US-09-331-631A-22
Search completed: February 15, 2005, 18:33:52
Job time : 111.726 secs
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1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

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Sequence 80, App	Sequence 89, App	Sequence 89, App	Sequence 56, App	•	Sequence 6627, Ap	Sequence 31, App		Sequence 35, App		Sequence 35, App	Sequence 8587, A	Sequence 13, App	Sequence 13, App	Sequence 2, Appl	Sequence 2, Appl	Sequence 2, Appl:	Sequence 15, App
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ALIGNMENTS

RESULT 1 US-07-955-905A-2 ; TYPE: amino acid ; TOPOLOGY: linear ; MOLECULE TYPE: protein US-07-955-905A-2 Sequence 2, Application Patent No. 5770433 GENERAL INFORMATION: Query Match Best Local Similarity 40.6%; Matches 234; Conservative 107 CLASSIFICATION: 435 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS OPETWARE: Patentin Release #1.0, Ve CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/955,905A NUMBER OF SEQUENCES: 2 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy TITLE OF INVENTION: APPLICANT: FILING DATE: LENGTH: amino acide Application 21-JAN-1993 US/07955905A RECOMBINANT PRECURSOR 2: Score 1116; DB 1; Pred. No. 4.8e-93; 17; Mismatches 178; 47 AND Version 31 G # COCOA PROTEINS Length 566;

302

IPAGTTFYLINRDNNERLHIAKFLQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAAL

361

VPAGSTVYVVSQDNQEKLTIAVLALPVNSPGKYELFFPAGNNKPESYYGAFSYEVLETVF

LRALKNYRLVLLEANDNAFVLPTHLDADAILLVIGGRGALKMIHRDNRESYNLECGDVIR ER-GEHENYHNHKKNRSEEEEEGOORNNPYYFPKRRSFOTRFRDEEGNFKILORFAENSPP GRGGDLMNPQRGGSGRYEEGEEKQSDNPYYFDE-RSLSTRFRTEEGHISVLENFYGRSKL KEOOROOEEEL-----OROYOOCOGRCQEQQQGQREQQQCQRKCWEQYKEQ

LKGINDYRLAMFEANPNTFILPHHCDAEAIYFVTNGKGTITFVTHENKESYNVQRGTVVS

117 242

183

125 71

22

68 ICEEEEEYNR----QRDPQQQYEQCQKRCQRRETEPRHMQICQQRCERRYEKEKRKQQKRY

Conservative 107;

Indels

58;

Gaps

124

70

LCSGVSAYGRKQYERDPRQQYEQCQRRCESEATEEREQEQCEQRCER-----EY

EEQQREDEEKYEERMKEGDNKRDPQQREYEDCRRHCEQQE--PRLQYQCQRRCQEQQRQH

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                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: RECOMBINANT 47 AND :
TITLE OF INVENTION: PRECURSOR

NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Vers
SOFTWARE: Patentin Release #1.0, Vers
CURRENT APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLARSIFICATION: 435
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 2
US-07-955-905A-22
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Best Local Similarity
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 22, Application US/07955905A Patent No. 5770433
                                                                                                                                                                                                                                                                                       FEATURE:

NAME/KEY: Protein
LOCATION: 1..566
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                              ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 566 amino acids
TYPE: amino acid
                176
                     242 LRALKNYRLVLLEANPNAFVLPTHLDADAILLVIGGRGALKMIHRDNRESYNLECGDVIR
                                                                   117
                                                                            183 GRGGDLMNPORGGSGRYEEGEEKOSDNPYYFDE-RSLSTRFRTBEGHISVLENFYGRSKL 241
                                                                                                                                               125
                                                                                                                                                                                                                          234;
                                                                                                                  71 KEQQRQQEEEL----
                                                                                                                                                                                   60 ICEEEEEYNR----ORDPOOOYFOCOKRCORRETEPRHMOICOORCERRYEKEKRKOOKRY
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  lkgindyrlamfeanpmtfilphhcdaeaiyfvingkgtitfvthenkesynvorgtvvs
                                                    ER-GEHENYINHKKNRSEEEEGQQRNNPYYFPKRRSFQTRFRDEEGNFKILQRFAENSPP 175
                                                                                                                               EEQQREDEEKYEERMKEGDNKRDPQQREYEDCRRHCEQQE--PRLQYQCQRRCQEQQRQH 182
                                                                                                                                                           LCSGVSAYGRKQYERDPRÓQYEQCQRRCESSATESREQEQCEQRCER-----EY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IFNNPDESYFMSFSQQRQR---RDERRGNPLASILDF 562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LFNSQDESIFFFGPRQHQQQSPRSTKQQQPLVSILDF 622
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TDGYGYAQMACPHLSRQSQGSQSGRQDRREQEEESEEETFGEFQQVKAPLSPGDVFVAPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GHAVTÉFASKDQPĹNAVÁFGLNÁQNNQRIFLÁGK-KNLVRÓMDSBÁKBLSEGVPSKLVDN 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ASGEADVEMACPHLSGRHGGRGGK--RHEEEEEV-----HYEQVRARLSKREAIVVLA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NTQTERLRGVLGQQR-----EGVIIRASQEQIRELTRDDSESRRWHIRRGGESSRGP
                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                           Theobroma cacao
                                                                                                                                                                                                                                      33.6%;
                                                                                                                                                                                                                                                                                 /note= "67 kD Precursor Protein"
                                                                                                                                                                                                                       107;
                                                                                                                                                                                                                  Score 1116; DB 1; : Pred. No. 4.8e-93; 7; Mismatches 178;
                                                                                                       - OROYOQCOGRCQEQQQGQREQQQCQRKCWEQYKEQ 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Version
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US-07-955-905A-23
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                                                                                                                                                                                                                                              NAME/KEY:
                                                                                                                                                                                                                                                                       ORGANISM:
                                                                                                                                                                                                                                                                                                           LENGTH: 587 amino TYPE: amino acid TOPOLOGY: linear
                                                                                                                                                                   Local
                      154
                                                                                                    35
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1..587
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FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 23
SEQUIENCE CHARACTERISTICS:
LENGTH: 587 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: RECOMBINANT 47
TITLE OF INVENTION: PRECURSOR
NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/955,905A
                                                                                                                                                                                                                                                                                                                                                                    LOCATION: 1..587
OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
124 QECQQHCHQQEQRPERKQQCVAECKERYQE-----NPWRREREBEABEBETEEGEQE
                                                                                                                    94 RRETEPRIMQICQQRCERRYEKEKRKQQKRYEEQQREDEEKYEERMKEGDNKRDPQQREY 153
                                                                                                                                                                                                          35 EDPOTECOOCORRCROQESDPROQQYCORRCK-EICEBEBEYNRORDPOOCYEOCOKRCQ 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       586 LFNSQDESIFFPGPRQHQQQSPRSTKQQQPLVSILDF 622
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5. 5770433
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   302 IPAGTTFYLINRDNNERLHIAKFLQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAAL 361
                                     EDCRRHCEQQE--PRLQYQCQRRCQEQQRQHGRGGDLMNPQR-----GGSGRYEEGEEK 205
                                                                                        -RQQEERQRPQCQQRC-----IKRFEQQQQQ
                                                                                                                                                                     DDPPKRYEDČRŘŘČEWDTRGQKEQQQČEESČŘSQYGEKDQQRHŘPEDPQRRÝBEČQQEČ- 93
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                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gossypium hirsutum
                                                                                                                                                                                                                                                                31.9%; Score 1060; DB 1; 38.1%; Pred. No. 6.5e-88; tive 116; Mismatches 181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RECOMBINANT 47
PRECURSOR
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APPLICANT: Burks Jr., A. Wesley
APPLICANT: Stanley, J. Steven
APPLICANT: Stanley, J. Steven
APPLICANT: Cockrell, Gael
APPLICANT: King, Nina E.
APPLICANT: Sampson, Hugh A.
APPLICANT: Helm, Ricki M.
APPLICANT: Bannon, Gary A.
APPLICANT: Bannon, Gary A.
TITLE OF INVENTION: Peanut Allergens and Met
FILE REFERENCE: HS 103 CIP
CURRENT APPLICATION UNMBER: US/09/106,872A
CURRENT FILING DATE: 199-06-29
PRIOR APPLICATION NUMBER: PCT/US96/15222
PRIOR APPLICATION NUMBER: PCT/US96/15222
PRIOR TILING DATE: 1996-09-23
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver. 2.1
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US-09-106-872A-4
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                              OTHER INFORMATION: OTHER INFORMA
                                                                                                                                                                                                                                                                                                                             ORGANISM: Arachis hypogaea FEATURE:
                                                                                                                                                                                                                                                                                                                                                               LENGTH: 626
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                 ID NO 4
R INFORMATION:
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US-07-955-905A-24
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Best Local Similarity
Matches 203; Conserv
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Patent No. 57
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INFORMATION FOR SEQ ID NO.
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: RECOMBIN TITLE OF INVENTION: PRECURSO NUMBER OF SEQUENCES: 28 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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NAME/KEY: Protein
1.605
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: protein ORIGINAL SOURCE:
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                                               NLFNKRPLYSNKYGQAYEVKPEDYRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVA 474
                                                                                EBINKVLFSREEGQQQGEQRLQESVIVEISKEQIRALSKRAKSSSRKTI----SSEDKPF
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    Application US/07955905A
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PRECURSOR
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US-07-955-905A-25
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Best Local Similarity
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GENERAL INFORMATTON
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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ORIGINAL SOURCE:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,90:
FILING DATE: 21-JAN-1993
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: Protein
LOCATION: 1..571
OTHER INFORMATION: /note= "Convicilin from P. sativum"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM:
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PVNRPGKFEAF--GLSENKNQYLRGFSKNILEASLNTKYETIEKVLLEEQEKKPQQLRDR 328
                                                                                      DADAILLVIGGRGALKMIHRDNRESYNLECGDVIRIPAGTTFYLINRDNNERLHIAKFLQ 326
                                                                                                                                HRNPFLFKSNKFLTLFENENGHIRRLQRFDKRSDLFENLQNYRLVEYRAKPHTIFLÞOHI
                               TISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQTERLRGVL-------
                                                                DADLÍLVÝLNÖKAILTVLSPNDRNSYNLERGDTÍKÍ PAGTTSYLVNODDEEDLRVVDFVI
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PRECURSOR
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195; Indels 111;

Gaps

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372 270 Length 571;

Version

#1.25

(EPO)

AND 31 kD

COCOA PROTEINS

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; SOFTWARE: PatentIn Ver. 2.0
; SEO ID NO 1
; LENGTH: 524
; TYPE: PRT
; ORGANISM: Glycine max
US-09-424-283-1
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US-09-424-283-1
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Best Local Similarity
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CURRENT FILING DATE: 1999-11-19
PRIOR APPLICATION NUMBER: PCT/US98/10465
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: US 60/047,568
PRIOR FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Grimes, et al.
TITLE OF INVENTION: Sucrose binding proteins
FILE REFERENCE: 4630-50206
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                                                                                                                                                                                                                                                                                                                                                                                                                                         KRYEEQQREDEEKYEERMKEGDNKRDPQQREYEDCRRHCEQQEERRLQYQCQRRCQEQQRQ 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KCKETEVEEB-----DPELVTCKHQCQQQQQYTEGDKR---VCLQSCD-RYHRMKQERE 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAASRKEVEELFNSQDESIFFPG-P
KRPLYSNKYGQAYEVKPEDYRQ--LQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASG
                                                                                                                                               RIPAGTTFYLINRDNNERLHIA--KFLQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILE 358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GKLFEITPEKKYPQLQDLDILVSCVEINKGALMLPHYNSRAIVVLLVNEGKGNLELL---
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                                                                 AALQTPKGKLENVFDQQNEGSIFRISREQVRALA-PTKKSSWWPF--GGE-SKPQFNIFS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LSGRHGGRGGGKRHEEEEEVHYE-----QVRARLSKREAIVVLAGHPVVFVSSGNENLL
                                                                                                        AALNTQTERLRGVLGQQREGVIIRASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFN 418
                                                                                                                                                                                                                                 LLQGIENFRLAILEARAHTFVSPRHFDSEVVFFNIKGRAVLGLVSESETEKITLEPGDMI
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33.4%; Pred. No. 1e-63;
tive 103; Mismatches 1
                                                                                                                                                                                                                                                                                                                   ----EEQDENPYIFEEDKDFETRVETEGGRIRVLKKFTEKSK
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US-09-424-283-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3, Application US/09424283 Patent No. 6437219
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Best Local Similarity
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PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Grimes, et al.
TITLE OF INVENTION: Sucrose binding proteins
FILE REFERENCE: 4630-50206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Glycine
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                                                                                                                                                                                                                                                                                                                                                           191
                          421
                                                              541 LFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAASRKEVEELFNSQDESIFFPGPR 600
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                          IICFEVNVRDNKKFTFAGKD-NIVSSLDNVAKELAFNYPSEMVNGV-SERKESLFFPFEL
                                                                                                                                               EMACPHLSGRHGGRGGGKRHEEEEEVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLL
                                                                                                                                                                                                                             LYSNKYGQAYEVKPEDYRQ-LQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASGEADV
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                                                                                                                                                                                                                                                                                                                 NTQTERLRGVLGQQREGVIIRASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRP
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RESULT 10
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TITLE OF INVENTION: Sucrose binding proteins
FILE REFERENCE: 4630-50206
CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
PRIOR APPLICATION NUMBER: PCT/US98/10465
PRIOR FILING DATE: 1998-05-21
PRIOR FILING DATE: 1998-05-21
PRIOR FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
COETMANE: BASEL DATE: 20
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US-09-424-283-2
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Sequence 18, Application US/09323195A Patent No. 6462257 GENERAL INFORMATION:
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Patent No. 6437219
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TYPE: PRT
ORGANISM: Glycine
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                                                                                                                      ENLLMICFEVNAR 444
                                                                                                                                                      ENLLFAFGINAQ 549
                                                                                                                                                                                       RGHLQISCPHMS----SRSSHSKHDKSSP-SYHRISSDLKPGMVFVVPPGHPFVTIASNK 431
                                                                                                                                                                                                                                                         KRPTISNGYGRLTEVGPDDDEKSWLQRLNLMLTFTNITQRSMSTIHYNSHATKIALVIDG
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APPLICANT: Pullman, Gerald
APPLICANT: Cairney, John
APPLICANT: Cairney, John
APPLICANT: Perrera, Ranjan
TITLE OF INVENTION: VICILIN-LIKE SEED STORAGE PRO
TITLE OF INVENTION: METHODS OF USING THE SAME
FILE REFERENCE: IPST0009
CURRENT APPLICATION NUMBER: US/09/323,195A
CURRENT FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 19
SOPTWARE: Patentin Ver. 2.0
SEQ ID NO 18
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Best Local S
Matches 159
                                                                                                                                                                                                                                                                              Patent No. 5770433
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                     Sequence 26, Application US/07955905A Patent No. 5770433
                                                                         NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Veri
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
              APPLICATION NUMBER: US/0:
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 26
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                        TITLE OF INVENTION:
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les 159; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCIEMKPNTVMLPHYIDATWILYVTRGRGYIAYVHQNELVKRKLEEGDVFGVPSGHTFYL 152
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACPHLSGRHGGRGGGKRHEEEEEVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLLLF 542
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                                                                                                                                                                                                                                            RECOMBINANT PRECURSOR
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APPLICANT: Fullman, Gerald
APPLICANT: Catrney, John
TITLE OF INVENTION: VICILIN-LIKE SEED STORAGE PROTEIN GENE PROMOTER AND
TITLE OF INVENTION: METHODS OF USING THE SAME
FILE REFERENCE: IPST0009
CURRENT APPLICATION NUMBER: US/09/323,195A
CURRENT FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patent T.
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US-09-323-195A-17
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                                                                                                      Query Match
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TOPOLOGY: line;
MOLECULE TYPE: p:
ORIGINAL SOURCE:
ORGANISM: Pisu
                                                                                                                                                         LENGTH: 523
TYPE: PRT
ORGANISM: Pinus taeda
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                                                                 V Match
20.7%; Score 688.5; DB 4;
Local Similarity 35.2%; Pred. No. 4.3e-54;
les 154; Conservative 84; Mismatches 165;
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                            182 HGRGGDLMNPQRGGSGRYEEGEEKQSDNPYYFDERSLSTRFRTEEGHISVLENFYGRSKL
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amino acid
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HGRG------HQRREEEREENPYVFHSDRFRMRASSDAGETRALPNFGEASEL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Grimes, et al.
TITLE OF INVENTION: SUCROSE binding protein
FILE REFERENCE: 4630-50206
CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
PRIOR APPLICATION NUMBER: PCT/US98/10465
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: US 60/047,568
PRIOR FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                Query Match 20.4%; Score 677.5; DB 4; Best Local Similarity 35.5%; Pred. No. 3e-53; Matches 145; Conservative 81; Mismatches 139;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4, Applic
Patent No. 6437219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 409
TYPE: PRT
ORGANISM: Glycine max
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362 NTQTERLRGVLGQQREGVIIRASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRP 421
                                                                                                                                                                                                                                                      183 GRGGDLMNPQRGGSGRYEEGEEKQSDNPYYFDE-RSLSTRFRTEEGHISVLENFYGRSKL
                                                                                                                                                                                                                                                                                                                                        138 RMKEGDNKRDP------QOREYED-----CRRHCEQQEPRLQYQCQRRCQEQQRQH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   414 YNLFNKRPLYSNKYGQAYEVKPEDYRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVV 473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       361 LNTQT--ERLRGVLGQQREGVIIRASQEQIRELTRD-----DSESRRWHIRRGGESSRGP 413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IPAGTTFYLINRDNNERLHIAKFLQTIST-PGQYKEFFPAGGQNPEPYLSTFSKEILEAA 360
                                                                                                                                                             LRALKNYRLVLLEANPNAFVLPTHLDADAILLVIGGRGALKMIHRDNRESYNLECGDVIR 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SIFFPGPRQHQQQSPRST 610
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LRALKNYRLVILEANPNAFVLPTHLDADAILLVIGGRGALKMIHRDNRESYNLECGDVIR
                                                                  IPAGTTFYLINRDNNERLHIAKFLQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAAL
                                                                                                                            LOGIENFRLAILEARAHTFVSPRHFDSEVVLFNIKGRAVLGLVRESETEKITLEPGDMIH 190
                                                                                                                                                                                                                                                                                            KLKETEVEEDPELVTCKHQCQQQRQYTESDKRTCLQQCDSMKQEREKQVEBETREKEEEH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FNLRNQKPDFENDNGRFTRAGPNENPLLDAVDVTAGFGVLNPGTMTAPSHNTKATSIAIV
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                                            I PAGTPLY I VNRDENEKLLLAMLHI PVSTPGKFEEFFGPGGRDPESVLSAFSWNVLQAAL
                                                                                                                                                                                                              ----QEQHEEEEDENPYVFEEDKDFSTRVETEGGSIRVLKKFTEKSKL
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US-07-955-905A-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Very CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/955,905A FILING DATE: 21-JNA-1993 CLASSIFICATION: 435 INFORMATION FOR SEQ ID NO: 27: SEQUENCE CHARACTERISTICS: LENGTH: 421 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFO
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: REC
TITLE OF INVENTION: PRE-
NUMBER OF SEQUENCES: 28
COMPUTER REALDABLE FORM:
MEDIUM TYPE: Floppy d:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Phaseolus vulgaris
FEATURE:
NAME/KEY: Protein
LOCATION: 1..421
OTHER INFERMATION: /note= "V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: protoxical source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
551 NHENFLAGRERNVLQQI-----EPQAMELAFAASRKEVEELFNSQDESIFFPGPRQHQQQ
                                                                 491 HGGRGGGKRHEEEEEVHYEQVRARLSKREAIVVLAGHPVVFVSSGNENLLLFAFGINAON 550
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                                                                                                                                                                                                                                                                                                                       90
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                                                                                                                                  VKPEDYRQLQDMDVSVFIANI--TQGSMMGPFFNTRSTKVVVVASGEADVEMACPHLSGR 490
                                                                                                                                                                    EGQQEGVIVNIDSEQIKELSKHAKSSSR------KSLSKQDNTIGNEEGNLTE
                                                                                                                                                                                                                                    KEDLRÍTQLAMPVNNÞ-QIHEFFLSSTEAQQSYLQEFSKHILEASFNSKFEEINRVLFEE 208
                                                                                                                                                                                                                                                                        NERLHIAKFLQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQTERLRGVLGQ- 374
                                                                                                                                                                                                                                                                                                                                         LPTHLDADAILLVIGGRGALKMIHRDNRESY-----NLECGDVIRIPAGTTFYLINRDN 315
                                                                                                                                                                                                     --QREGVIIRASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRPLYSNKYGQAYE 432
                                                                                                                                                                                                                                                                                                         LPQQADAELLLVVRSGSAILVLVKPDDRREYFFLTSDNPIFSDHQKIPAGTIFYLVNPDP 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QISCPHMSSRSDSK-----HDKSSPSYHRISADLKPGMVFVVPPGHP 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMACPHLSGRHGGRGGGKRHEEEEEEVHYEQVRARLSKREAIVVLAGHP 528
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LYSNKYGQAYEVKPEDYRQ-LQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASGEADV 480
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                                                                                                   ----RTDNSLNVLÍSSÍEMEEGALFVÞHYYSKAIVILVVNEGEAHVELVGÞK----
                                -GNK-----ETLEYESYRAELSKDDVFVIPAAYPVAIKATSNVNFT--GFGINANN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16.6%; Score 552; DB 1; 33.6%; Pred. No. 8.8e-42;
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28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  71; Mismatches 156;
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; APPLICANT: Helm, Ricki M.
; APPLICANT: Bannon, Gary A.
; TITLE OF INVENTION: Peanut Allergens and Methods
; TITLE OF INVENTION: Peanut Allergens and Methods
; FILE REFERENCE: HS 103 CIP
; CURRENT APPLICATION NUMBER: US/09/106,872A
; CURRENT FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: PCT/US96/15222
; PRIOR PILING DATE: 1996-09-23
; NUMBER OF SEQ ID NOS: 23
; SOFTMARE: Patentin Ver. 2.1
; SEQ ID NO 17
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Arachis hypogaea
US-09-106-872A-17
Search completed: February 15, 2005, 18:03:03 Job time: 40.2338 secs
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US-09-106-872A-17
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APPLICANT:
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                                                                                                                                                                                                                      178
                                                                                                                                     238 HLL--GFGINAENNHRIFLAGDKDNVIDQIEKQAKDLAFPGSGEQVEKLIKNQKESHFVS 295
                                                                                                                                                                       538 NILLFAFGINAONNHENFLAGRERNVLOQIEPQAMELAFAASRKEVEELFNSQDESIFFP
                                                                          296 A--OSÓSÓSPSSPEKESP
                                                                                                                                                                                                                                      482 MACPHLSGRHGGRGGKRHE-EEEEVHYEQVR---ARLSKREAIVVLAGHPVVFVSSGNE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       328 ISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQTERLRGVL-----------GQQ 375
                                                                                                                                                                                                                                                                                                                                                        63 RWSTRSSENNEGVIVKVSKEHVEELTKHAKS-----VSKKGSEEEGDITNPINLREGEPD 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   352 NNRNILLAGKTONVISSIGRALDGKDVLGLTESGSGDEVMKLINKQSGS-YFVDAHHHQQB
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                                                                                                          GPROHOOOSPRSTKOOOP 615
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                                                                                                                                                                                                           LVAVRKEQQQRGRREEEEDEDEEEEGSNREVRRYTARLKEGDVFIMPAAHPVAINASSEL
                                                                                                                                                                                                                                                                                 LŚNNFGKLFEVKPOKKNPOLODLDMMLTCVEIKEGALMLPHFNSKAMVIVVVNKGTGNLE
                                                                                                                                                                                                                                                                                                                                                                                          R-----EGVIIRASQEQIRELTRDDSESRRWHIRRGGESSRG----PYNLFNKRPL 422
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Sampson, Hugh A.
Helm, Ricki M.
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Cockrell, Gael
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Result
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Maximum
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Title:
Perfect score:
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1: /cgn2 6/ptcdata/1/pubpaa/PCT_NEW_PUB.pep:*

2: /cgn2 6/ptcdata/1/pubpaa/USO6_NEW_PUB.pep:*

3: /cgn2 6/ptcdata/1/pubpaa/USO6_NEW_PUB.pep:*

4: /cgn2 6/ptcdata/1/pubpaa/USO6_NEW_PUB.pep:*

5: /cgn2 6/ptcdata/1/pubpaa/USO7_NEW_PUB.pep:*

6: /cgn2 6/ptcdata/1/pubpaa/USO8_NEW_PUB.pep:*

7: /cgn2 6/ptcdata/1/pubpaa/USO8_NEW_PUB.pep:*

9: /cgn2 6/ptcdata/1/pubpaa/USO8_NEW_PUB.pep:*

9: /cgn2 6/ptcdata/1/pubpaa/USO8_PUBCOMB.pep:*

10: /cgn2 6/ptcdata/1/pubpaa/USO9_PUBCOMB.pep:*

10: /cgn2 6/ptcdata/1/pubpaa/USO9_PUBCOMB.pep:*

11: /cgn2 6/ptcdata/1/pubpaa/USO9_PUBCOMB.pep:*

12: /cgn2 6/ptcdata/1/pubpaa/USO9_PUBCOMB.pep:*

13: /cgn2 6/ptcdata/1/pubpaa/USO9_PUBCOMB.pep:*

14: /cgn2 6/ptcdata/1/pubpaa/USO9_PUBCOMB.pep:*

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19: /cgn2 6/ptcdata/1/pubpaa/USO0_NEW_PUB.pep:*

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10: /cgn2 6/ptcdata/1/pubpaa/USO0_NEW_PUB.pep:*

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10: /cgn2 6/ptcdata/1/pubpaa/USO0_NEW_PUB.pep:*
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19 US-09-331-631A-3

10 US-09-331-631A-7

10 US-10-147-095-8

10 US-10-147-095-7

11 US-10-264-303-3
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Sequence 8, Appli
Sequence 7, Appli
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146150, 2, Appl	Sequence 1, Appli Sequence 2, Appli	e 14, App	e 12, App	e 3, Appl	equence 153614.	e 1, Ap	e 153615,	e 2601		Sequence 153206,	O	Ð		Sequence 8, Appli	Sequence 21, Appl	æ	21, Appl	equence 10	10, Āpp	e 7, Appl	e 2, Appl	e 28,	e 24, App	24, Appl	e 110, Ap	Sequence 22, Appl	Sequence 22, Appl	Sequence 39532, A

ALIGNMENTS

RESULT 1 US-09-331-631A-5

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Sequence 5, Application US/09331631A
Patent No. US20020168392A1
GENERAL INFORMATION:
APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: PCTANU97/00874
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 5
LAUGIH: 625
TYPE: PRT
ORGANISM: Macadamia integrifolia
FEBTURE:
NAME/KEY: PEPTIDE
COCATION: (1)...(625)
COTHER INFORMATION: Partial mature peptide
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  Query Match
Best Local S
Matches 625
  Local Similarity
nes 625; Conserva
100.0%; Score 3326; DB 9; ilarity 100.0%; Pred. No. 1.1e-255; Conservative 0; Mismatches 0;
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Sequence 5. Application US/10147095
Publication No. US20030171274A1
GENERAL INFORMATION:
APPLICANT: Manners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Marcus, John Paul
APPLICANT: Green, Jodie L.
APPLICANT: Green, Jodie L.
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
SOFTMARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 5
SEQ ID NO 5
LENGTH: 625
TYPE: PRT
ORGANISM: Macadamia integrifolia
PEATURE:
NAME/KEY: PEPTIDE
LOCATION: (1)...(625)
OTHER INFORMATION: Partial mature peptide
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APPLICANT: Manners, John M.

APPLICANT: Manners, John M.

APPLICANT: Goulter, Kenneth C.

APPLICANT: Green, Jodie L.

ITITE OF INVENTION: ANTIMICROBIAL PROTEINS

FILE REFERENCE: CULLN23.001APC

CURRENT APPLICATION NUMBER: US/09/331,631A

CURRENT FILING DATE: 1999-06-21

PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR RILING DATE: 1997-12-22

PRIOR FILING DATE: 1996-12-20

INMBER OF SEQ ID NOS: 40

SOFTWARE: PASTSEQ for Windows Version 3.0

SEQ ID NO 1

LENGTH: 666

TYPE: PRI

ORGANISM: Macadamia integrifolia

US-09-331-631A-1
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Marcus, John M.
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 1090-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR APPLICATION NUMBER: BUT AU PO 4275
PRIOR APPLICATION NUMBER: US/09/331.631A
PRIOR APPLICATION NUMBER: DCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 666
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US-10-147-095-1
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Best Local Similarity
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Pred. No. 9.3e-248;
9; Mismatches 12;
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APPLICANT: Marners, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/09/331,631A
CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
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US-09-331-631A-3
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                                                                                                                                                                                                                     sequence 3, Application US/09331631A Patent No. US20020168392A1 GENERAL INFORMATION:
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; TYPE: PRT
; ORGANISM: M
US-10-147-095-1
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Best Local Similarity
Matches 604; Conser
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                         QHQQQSPRSTKQQQPLVSILDFVGF 625
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QHQQQSPRSTKQQQPLVSILDFVGF
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96.6%;
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Pred. No. 9.3e-248;
9; Mismatches 12;
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RESULT 6
US-10-147-095-3

Sequence 3, Application US/10147095

Publication No. US20030171274A1

GENERAL INFORMATION:

APPLICANT: Manners, John M.

APPLICANT: Marcus, John Paul

APPLICANT: Goulter, Kenneth C.

APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

FILE REFERENCE: CULLN23.001APC

CURRENT APPLICATION NUMBER: US/10/147,095

PRIOR APPLICATION NUMBER: TOS/10/147,095

// LENGTH: 666
// TYPE: PRT
// ORGANISM: Macadamia integrifolia
// FEATURE:
// NAME/KEY: SIGNAL
// LOCATION: (1)...(28)
// NAME/KEY: PEPFIDE
// NAME/KEY: PEPFIDE
// LOCATION: (29)...(666)
US-09-331-631A-3
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RESULT 7
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; Sequence 8, Application US/0; Patent No. US20020168392A1
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## PRIOR FILING DATE: 1999-06-21
## PRIOR APPLICATION NUMBER: PCT/AU97/00874
## PRIOR FILING DATE: 1997-12-22
## PRIOR PPLICATION NUMBER: AU PO 4275
## PRIOR FILING DATE: 1996-12-20
## NUMBER OF SEQ ID NOS: 40
## SOFTWARE: FAST-SEQ for Windows Version 3.0
## SEQ ID NO 3
## LENGTH: 666
## TYPE: PRT
## ORGANISM: Macadamia integrifolia
## PATURE:
## NAME/KEY: SIGNAL
## LOCATION: (1)...(28)
## PEATURE:
## NAME/KEY: PEPTIDE
## COCATION: (29)...(666)
## US-10-147-095-3
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Best Local Similarity 96.6%;
Matches 604; Conservative
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Pred. No. 8.3e-247;
7; Mismatches 14;
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RESULT 8
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Sequence 8, Application US/10147095
; Publication No. US20030171274A1
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SEQ ID NO 8
LENGTH: 590
TYPE: PRT
ORGANISM: Gossypium hirsutum
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APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLAZ3.001APC
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Local Similarity 38.4%;
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APPLICANT: MANNEYS, John M.
APPLICANT: MARCUS, John Paul
APPLICANT: Goulier, Kenneth C.
APPLICANT: Green, Jodie L.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLA23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR APPLICATION NUMBER: AU PO 4275
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; TYPE: PRT
; ORGANISM: Gossypium
US-10-147-095-8
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Best Local
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AS
                                                                                                              NINPDHNQRIFVAGKINHV-RQWDSQAKELAFGVSGRLVDEIFNSNPQESYFVS-RQRQR
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                                                       QS 606
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589
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Pred. No. 4.4e-78;
L5; Mismatches 179;
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RESULT. 9

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RESULT 10
US-10-147-095-7
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APPLICANT: Manners, John M.

APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.

APPLICANT: Goulter, Kenneth C.

APPLICANT: Green, Jodie L.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC

CURRENT APPLICATION NUMBER: US/09/331,631A

CURRENT FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874

PRIOR FILING DATE: 1997-12-22
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Sequence 7, Application US/10147095
Publication No. US20030171274A1
GENERAL INFORMATION:
APPLICANT: Mancus, John M.
APPLICANT: Marcus, John Paul
APPLICANT: Goulter, Kenneth C.
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Best Local Similarity
Matches 211; Conserv
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LENGTH: 525
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Patent No. US20020168392A1
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PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FACTOR
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                                                                                                                                                                                                                                            TDGYGYAQMACPHLSRQSQGSQSGRQDRREQEEESEEETFGEFQQVKAPLSPGDVFVAPA
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41.1%; Pred. No. 5.4e-72;
vative 91; Mismatches 158;
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Sequence 3, Application US/10264303

Publication No. US20030124060A1

GENERAL INFORMATION:
APPLICANT: ROUX, Kenneth
APPLICANT: Sathe, Shridhar
APPLICANT: Teuber, Suzanne
TITLE OF INVENTION: Purified Linear Epitopes from 1711LE OF INVENTION: Therefor and Associated Met
FILL REFERENCE: 28396 and 30728

CURRENT APPLICATION NUMBER: US/10/264,303

CURRENT FILING DATE: 2002-10-03
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US-10-264-303-3
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## TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
## FILE REFERENCE: CULLN23.001APC
CURRENT APPLICATION NUMBER: US/10/147,095
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/9/331,631A
PRIOR FILING DATE: 1999-06-21
PRIOR PELING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: PCT/AU97/00874
PRIOR FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: AU PO 4275
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 40
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Best Local S
Matches 211
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hes 211; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    183 GRGGDLMNPQRGGSGRYEEGEEKQSDNPYYFDE-RSLSTRFRTEEGHISVLENFYGRSKL
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Pred. No. 5.4e-72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches 158;
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                                                               from Cashew Nuts, Nucleic Acids Encoding Methods
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US-10-264-303-4
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PRIOR FILING DATE: 2001-10-03
PRIOR APPLICATION NUMBER: 60/371,774
PRIOR FILING DATE: 2002-04-11
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PATENTIN VERSION 3.0
SEQ ID NO 3
                                                                                                                                                                       Sequence 4, Application US/10264303
Publication No. US20030124060A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 213;
APPLICANT: Roux, Kenneth
APPLICANT: Sathe, Shridhar
APPLICANT: Teuber, Suzanne
TITLE OF INVENTION: Purified Linear Epitopes from Cashew Nuts, Nucleic Acids
TITLE OF INVENTION: Therefor and Associated Methods
FILE REFERENCE: 28396 and 30728
CURRENT APPLICATION NUMBER: US/10/264,303
CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: 60/326,793
PRIOR APPLICATION NUMBER: 60/371,774
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ORGANISM: Anacardium
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RESULT 13
US-10-425-114-60246
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; TYPE: PRT
; ORGANISM: Anacardium
US-10-264-303-4
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Schou, Yihua
APPLICANT: Screen, Steven E
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Tabaska, Jack E
APPLICANT: Tabaska, Jack E
APPLICANT: Tobaska, Jack E
APPLICANT: On INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE REFERENCE: 38-21 (53313) B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 60246
LENGTH: 582
                                                                                                                                                                                                                                                                                                                                    Sequence 60246, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4
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Pred. No. 6.7e-72;
:3; Mismatches 181;
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NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 39532

LENGTH: 584

TYPE: PRT
ORGANIEM: Zea mays
                                                                                                                                                                                                                                                                                              RESULT 14
US-10-425-114-39532
; Sequence 39532, Application US/10425114
; Publication No. US20040034888A1
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                                                                                                                                                                               APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David
APPLICANT: Screen, Steven
APPLICANT: Tabaska, Jack
APPLICANT: Cao, Yongwei
                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                           APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
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Best Local Similarity
Matches 209; Conserva
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EKGFLPGPKESGGHEEREQEEEEERE
                           ESIFFPGPRQ---HQQQSPRSTKQQQ 614
                                                                                          VSSGNENLLLFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAASRKEVEELFNSQD
                                                                                                                         HROSOGGESERERDKGRRSEEEEEESSEEQEEAGOGYHTIRARLSPGTAFVVPAGHPFVA
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                                                           VASRDSNLQIVCFEVHADRNEKVFLAGAD-NVLQKLDRVAKALSFASKAEEVDEVLGSRR
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Pred. No. 2.6e-62;
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RESULT 15
US-09-331-631A-22
; Sequence 22, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL INFORMATION:
APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
APPLICANT: Genen, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/09/331,631A
; CURRENT FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1997-112-22
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 582
TYPE: PRT
; ORGANISM: Maize

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499 EKGFLPGPEESGGHEEREQEEEEREE 524
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                                                                                                                                     HLSGRHG----GRGGGKRHEEEEEVH------YEQVRARLSKREAIVVLAGHPVVF 531
                        ESIFFPGPRQ---HQQQSPRSTKQQQ 614
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Search completed: February 15, 2005, 18:33:54 Job time: 105.91 secs

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US-07-955-905A-2
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GENERAL INFORMATION:
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Best Local Similarity
Matches 237; Conserv
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CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 2
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
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                             IPAGTTFYLINRDNNERLHIAKFLQTISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAAL
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Pred. No. 3.9e-95;
)7; Mismatches 175;
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Best Local Similarity
Matches 237; Conserv
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ve
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION. 425
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                 PEATURE:
NAME/KEY: Protein
LOCATION: 1.566
OTHER INFORMATION:
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TITLE OF INVENTION: RECO
TITLE OF INVENTION: PREC
TITLE OF SEQUENCES: 28
NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein ORIGINAL SOURCE:
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LENGTH: 566 amino acids
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     LKGINDYRLAMFEANPNTFILPHHCDAEAIYFVTNGKGTITFVTHENKESYNVQRGTVVS
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41.1%; Pred. No. 3.9e-95;
tive 107; Mismatches 175
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PRECURSOR
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 587 amino acid
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ORIGINAL SOURCE:
ORGANISM: GOS
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mes 228; Conserv
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APPLICANT: Helm, Ricki M.
APPLICANT: Bennon, Gary A.
APPLICANT: Bennon, Gary A.
TITLE OF INVENTION: Peanut Allergens and Met
FILE REFERENCE: HS 103 CIP
CURRENT APPLICATION NUMBER: US/09/106,872A
CURRENT FILING DATE: 1996-06-29
PRIOR APPLICATION NUMBER: PCT/US96/15222
PRIOR APPLICATION NUMBER: PCT/US96/15222
PRIOR FILING DATE: 1996-09-23
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver. 2.1
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                    LENGTH: 626
TYPE: PRT
ORGANISM: Arachis h
PEATURE:
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Amino Acids 143-152
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                          FAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAAPRKEVEELFNSQDESIFFFGFRQ
                                                                                                   FGKLFEVKPDKKNPQLQDLDMMLTCVEIKEGALMLPHFNSKAMVIVVVNKGTGNLELVAV
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            -GFGINAENNHRIFLAGDKDNVIDQIEKQAKDLAFPGSGEQVEKLIKNQKESHFVSARPQ
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Pred. No. 8.8e-70;
D5; Mismatches 209
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US-07-955-905A-24
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SOFTWARR: PATENTIN Release #1.0, Version #1.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: mino acids
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APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: RECURSOR
ITTLE OF INVENTION: PRECURSOR
NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
COMPUTER: FORDY disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
COMPUTER: PC-DOS/MS-DOS
COMPUTER: PC-DOS/MS-DOS
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Best Local (
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GENERAL INFORMATION:
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OTHER INFORMATION:
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TOPOLOGY: linear
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5770433
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                             KYGQAYEVKPEDYRQLQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVVASGEADVEMACP 526
                                                                                                                                   ENLRLITLAIPVNKPGRFESFFLSSTEAQQSYLQGFSRNILEASYDTKFEEINKVLFSRE 361
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                                                                 EGQQQGEQRLQESVIVEISKEQIRALSKRAKSSSRKTI----SSEDKPFNLRSRDPIYSN
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; NAME/KEY: Protein
; LOCATION: 1..571
; OTHER INFORMATION:
US-07-955-905A-25
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US-07-955-905A-25
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Best Local Similarity
Matches 204; Conserv
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Patent No. 5770433
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICANT:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
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TYPE: amino acid
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     271
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                                                                                                                                  151 HRNPFLFKSNKFLTLFENENGHIRRLORFDKRSDLFENLONYRLVEYRAKPHTIFLPOHI
                                                                                                                                                              248 SDNPYYFDERSISTRFRTEEGHISVLENFYGRSKLLRALKNYRLVLLEANPNAFVLPTHL 307
                                                                                                                                                                                                                                188 PPQQREYEDCKRRCEQQEPRQQYQCQRRCREQQRQHGRGGDLINPQRGGSGRYEEGEEKQ 247
                                                                                                                                                                                                                                                                                                  132 RCORHETEPRHMOTCOORCERRYEKEKRKOOK----RYEEQOREDEEKYEERMKEEDNKR 187
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                     TISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQAERLRGVL----------
                                                                                     DADAILLVTGGRGALKMIHRDNRESYNLECGDVIRIPAGTTFYLINRDNNERLHIAKFLQ 367
                                                                                                                                                                                                                                                                                                                                                              YDNQDDPQTDCQQCQRRCRQQESGPRQQQYCQRRCKEICEEEEEYNRQRDPQQQYEQCQE 131
PVNRPGKFEAF--GLSENKNQYLRGFSKNILEASLNTKYETIEKVLLEEQEKKPQQLRDR
                                                                DADLILVVLNGKAILTVLSPNDRNSYNLERGDTIKIPAGTTSYLVNQDDEEDLRVVDFVI
                                                                                                                                                                                                       DPEE-----
                                                                                                                                                                                                                                                                  EKQKY------RYQREKKEQKEVQPGRERWEREEDEEQVEEEWRGSQRRE 114
                                                                                                                                                                                                                                                                                                                                      YANYDEGSETRVPGQRERGRQEG------EKEEKRHGEWRPSYEKEEHEE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -----GLKEQQQEQQQEEQPLEVRKYRAELSEQDIFVIPAGYPVVV--NATSNLNFFA 526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             571 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                       23.6%; Score 832.5; DB 1; ilarity 32.7%; Pred. No. 9.3e-67; Conservative 110; Mismatches 196;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
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PRECURSOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "Convicilin from P.
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; LENGTH: 524
; TYPE: PRT
; ORGANISM: Glycine
US-09-424-283-1
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TITLE OF INVENTION: Sucrose binding proteins
FILE REFERENCE: 4630-50206
CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
PRIOR APPLICATION NUMBER: PCT/US98/10465
PRIOR FILING DATE: 1998-05-21
PRIOR FILING DATE: 1998-05-21
PRIOR FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
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US-09-424-283-1
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Best Local Similarity
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KRPLYSNKYGQAYEVKPEDYRQ--LQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASG
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                                                                     AALOTPKGKLENVFDQQNEGSIFRISREQVRALA-PTKKSSWWPF--GGE-SKPQFNIFS
                                                                                                                    AALNTQAERLRGVLGQQREGVIISASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFN
                                                                                                                                                                  HIPAGTPLYIVNRDENDKLFLAMLHIPVSVSTPGKFEEFFAPGGRDPESVLSAFSWNVLQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LLFAFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAAPRKEVEELFNSQDESIFFPG-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22.6%; Score 798; DB 4; Length 524; llarity 33.2%; Pred. No. 1.1e-63; Conservative 100; Mismatches 180; Indels 1
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; ORGANISM: Glycine
US-09-424-283-3
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TITLE OF INVENTION: Sucrose binding proteins
FILE REFERENCE: 4630-50206
CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
FRIOR APPLICATION NUMBER: PCT/US98/10465
PRIOR FILING DATE: 1998-05-21
PRIOR FILING DATE: 1998-05-21
PRIOR PPLICATION NUMBER: US 60/047,568
PRIOR FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
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US-09-424-283-3
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Best Local Similarity
Matches 171; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION: APPLICANT: Grimes,
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                                                                                                                                                                                                               307 TFSNGYGRLTEVGPDDEKSWLQRLNLMLTFTNITQRSMSTIHYNSHATKIALVMDGRGHL
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                        IICFEVNVRDNKKFTFAGKD-NIVSSLDNVAKELAFNYPSEMVNGV-SERKESLFFPFEL
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                                                                                                                                                                EMACPHLSGRHGGRRGGKRHEEEEDVHYEQVKARLSKREAIVVPVGHPVVFVSSGNENLL
                                                                                                                                                                                                                                                         LYSNKYGQAYEVKPEDYRQ-LQDMDVSVFIANITQGSMMGPFFNTRSTKVVVVASGEADV
                                                                                                                                                                                                                                                                                                                                                       NTQAERLRGVLGQQREGVIISASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22.6%; Score 797.5; DB 4; llarity 35.0%; Pred. No. 1.1e-63; Conservative 103; Mismatches 170;
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APPLICANT: Pullman, Gerald
APPLICANT: Pullman, Gerald
APPLICANT: Cairney, John
APPLICANT: Perrera, Ranjan
APPLICANT: Perrera, VICILIN-LIKE SEED STORAGE PROTEIN GEN
TITLE OF INVENTION: METHODS OF USING THE SAME
FILE REFERENCE: IPSTO009
CURRENT APPLICATION NUMBER: US/09/323,195A
CURRENT FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 18
LENGTH: 448
                                                                                                   RESULT 10
US-09-424-283-2
: Sequence 2, Application US/09424283
: Patent No. 6437219
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GENERAL INFORMATION:
APPLICANT: Grimes, et al.
TITLE OF INVENTION: Sucrose binding prot-
FILE REFERENCE: 4630-50206
CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
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US-09-323-195A-18
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Best Local
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TYPE: PRT
ORGANISM: Picea glauca
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                                                                                                                                                                                                                                      HQQQSSRST 651
                                                                                                                                                                                                                                                              WFDLNTRGNERQFLAGK-NNVLNTLEREIRQLSFNVPRGEEIEEVLQAQKDQVILRGPQR
                                                                                                                                                                                                                                                                                            AFGINAQNNHENFLAGRERNVLQQIEPQAMELAFAAPR-KEVEELFNSQDESIFFPGPRQ 642
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                                                                                                                                                                                                     RSRDEARSS
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                                                                                                                                                                                                                                                                                                                                                            ACPHLSGRHGGRRGGKRHEEEEDVHYEQVKARLSKREAIVVPVGHPVVFVSSGNENLLLF 583
                                                                                                                                                                                                                                                                                                                                                                                             FENENGRFTIAGPKNYPFLDALDVSVGLADLNPGSMTAPSLNSKSTSIGIVTNGEGRIEM
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; Pred. No. 8.6e-61;
89; Mismatches 154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 448;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, V.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                  Sequence 26, Application Patent No. 5770433 GENERAL INFORMATION: APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER:
PRIOR FILING DATE: 1998-05
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE: 1997-05
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.
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SEQ ID NO 2
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TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                             TITLE OF INVENTION: RETITLE OF INVENTION: PR.
NUMBER OF SEQUENCES: 2
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                578
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 105 RCKETCEBEEEYNRORDPO---QQYEQCQERCQRHETEPRHMQTCQQRCERRYEKEKRKQQ
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                                                                                                                                                                                                                                                                                                                                                                                                                               RGHLQISCPHMSSRSSHSK---
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KCKETEVEEE-----DPELVTCKHQCQQQQYTEGDKR----VCLQSCD-RYHRMKQERE
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1998-05-21
UMBER: US 60/047,568
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                                                                                                                                                                                                                RECOMBINANT 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20.9%; Score 739; DB 4; Length 444; 34.9%; Pred. No. 1.9e-58;
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US/07/955,905A

Version

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RESULT 12
US-09-323-195A-17
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                                                                                                                                                         US-09-323-195A-17
                                                                                                                                               APPLICANT: Cairney, John
APPLICANT: Cairney, John
APPLICANT: Perrera, Ranjan
TITLE OF INVENTION: WICILIN-LIKE SEED STORAGE PROTEIN GENE PROMOTER AND
TITLE OF INVENTION: METHODS OF USING THE SAME
FILE REFERENCE: IPST0009
CURRENT APPLICATION NUMBER: US/09/323,195A
CURRENT FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 17
LENGTH: 523
TYPE: PRT
ORGANISM: Pinus taeda
                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17, Application US/09323195A Patent No. 6462257
                                                                           Query Match
Best Local Similarity
Matches 153; Conserv
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TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: Protein LOCATION: 1.410 OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Pisum sativum
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                                223 HGRGGDLINPQRGGSGRYEEGBBKQSDNPYYFDERSLSTRFRTEEGHISVLENFYGRSKL
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HGRG------HQRREEEREENPYVFHSDRFRMRASSDAGEIRALPNFGEASEL
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                                                                                                                                                                                                                                                                                                                                                                                                    Pullman, Gerar
Cairney, John
                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                 Gerald
                                                                         19.7%; Score 694.5; DB 4; 34.9%; Pred. No. 2.7e-54; ative 86; Mismatches 164;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19.9%; Score 704.5; DB 1; Length 37.2%; Pred. No. 2.3e-55; tive 76; Mismatches 145; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FITTLE OF INVENTION: Sucrose binding proteins
FILE REFERENCE: 4630-50206
CURRENT APPLICATION NUMBER: US/09/424,283
CURRENT FILING DATE: 1999-11-19
PRIOR APPLICATION NUMBER: PCT/US98/10465
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: US 60/047,568
PRIOR FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.0
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US-09-424-283-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Grimes, et al. TITLE OF INVENTION: Sucre
                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 409
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                                      191
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403
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                                                                                                                                                 LRALKNYRLVILIBANPNAFVLPTHLDADAILLVTGGRGALKMIHRDNRESYNLECGDVIR 342
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NTQAERLRGVLGQQREGVIISASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRP 462
                                      I PAGTPLYI VNRDENEKLILIAMLHI PVSTPGKFEEFFGPGGRDPESVLSAFSWNVLQAAL
                                                           IPAGTTFYLINRDNNERLHIAKFLQTISTBGQYKEFFPAGGQNPEPYLSTFSKEILEAAL 402
                                                                                                                  LQGIENFRLAILEARAHTFVSPRHFDSEVVLFNIKGRAVLGLVRESETEKITLEPGDMIH 190
                                                                                                                                                                                                                                                                     KLKETEVEEDPELVTCKHQCQQQRQYTESDKRTCLQQCDSMKQEREKQVEEETREKEEEH
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US-07-955-905A-27
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FILLING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 27
SEQUENCE CHARACTERISTICS:
LINGTH: 421 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local
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MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPUTER: COMPUTER: OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Ve abortion and application data:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Atent No. 5770433
GENERAL INFORMATION:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
les 141; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: Protein
LOCATION: 1.421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Phaseolus vulgaris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                             532 HGGRRGGKRHEEEEDVHYEQVKARLSKREAIVVPVGHPVVFVSSGNENLLLFAFGINAQN
                                                                                                                  256
                                                                                                                                               474
                                                                                                                                                                                       416 -- QREGVIISASQEQIRELTRDDSESRRWHIRRGGESSRGPYNLFNKRFLYSNKYGQAYE 473
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NHENFLAGRERNVLQQI-----EPQAMELAFAAPRKEVEELFNSQDESIFFPGPRQHQQQ 646
                                --GPKGNK-----ETLEYESYRÁELSKODVFVIPAAYPVAIKATSNVNFT--GFGINANN 351
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o. 5770433
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                                                                                                                         VKPEDYROLODMDVSVFİANİ--TQGSMMGPFFNTRSTKVVVVASGEADVEMACPHLSGR 531
                                                                                                                                                           EGÓQEGVÍVNIDSEQIKELSKHAKSSSR------KSLSKODNTIGNEFGNLTE
                                                                                                                                                                                                                                                                                                                                                   EEESODNPPYPNSDNSWNTLFKNQYGHIRVLQRPDQQSKRLQNLEDYRLVEFRSKPETLL
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                                                                                              -----RTDNSLNVLİSSİEMEEĞALFVPHYYSKAIVILVVNEĞEAHVELV------ 300
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                                                                                                                                                                                                                                                                                                                                                                                                                  15.8%; Score 557; DB 1; Length 42
33.1%; Pred. No. 6e-42;
ative 74; Mismatches 155; Indels
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Search completed: February 15, Job time : 42.742 secs
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; ORGANISM: Arachis hypogaea
US-09-106-872A-17
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LENGTH: 335
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US-09-106-872A-17
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Best Local Similarity
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TITLE OF INVENTION: Peanut Allergens and Methods
FILE REFERENCE: HS 103 CIP
CURRENT APPLICATION NUMBER: US/09/106,872A
CURRENT FILING DATE: 1999-06-29
PRIOR FILING DATE: 1996-09-23
PRIOR FILING DATE: 1996-09-23
NUMBER OF SEQ ID NOS: 23
NUMBER OF SEQ ID NOS: 23
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                                                   296 AQSQSQSPSSPEKESPEKEDQEEENQGGKGPLLSIL
                                                                               639 GPRQHQQQSS----RSTKQQQ------PLVSIL 661
                                                                                                                                     579 NLLLFAFGINAQNNHENFLAGRERNYLQQIEPQAMELAFAAPRKEYEELFNSQDESIFFP 638
                                                                                                                                                                    178 LVAVRKEQQQRGRREEEEEDEDEEEEEGSNREVRRYTÄRLKEGDVFIMPAAHPVAINASSEL 237
                                                                                                                                                                                                                                                           464 YSNKYGQAYEVKPEDYR-ÇLQDMDVSVFIANITOGSMMGPFFNTRSTKVVVVASGEADVB 522
                                                                                                                                                                                                                                                  118
                                                                                                                                                                                                                                                                                                                                            417
                                                                                                                                                                                                                                                                                                                                                                                        369 ISTPGQYKEFFPAGGQNPEPYLSTFSKEILEAALNTQAERLRGVL-----
                                                                                                                                                                                                                                                                                                                                                                                                                                    117;
                                                                                                                                                                                                                                                                                                             63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION:
                                                                                                                                                                                                                                                                                                                                                      3 VNTPGÓFEDFFPÁSSRDQSSYLQGFSRNTLEAAFNAEFNBIRRVLLBENAGGEQEERGOR 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              647 SSRSTK 652
                                                                                                        HLĹ--GFĠINĀENNHRIFLĀĠDKDNVIDQĪĖKQĀKDĹĀFPGSGEQVĖKLIKNQKĖSHFVS 295
                                                                                                                                                                                                 MACPHLSGRHGGRRGGKRHEEFEDV----HYEQVKARLSKREAIVVPVGHPYVFVSSGNE 578
                                                                                                                                                                                                                                LSNNFGKLFEVKÞDKKNPQLQDLDMMLTCVE Í KEGALMLÞHFNSKAMV Í VVVNKGTGNLB
                                                                                                                                                                                                                                                                                          RWSTRSSENNEGVÍVKVSKEHVEELÍKHAKS----VSKKGSBEBGDITNÞINLREGEPD 117
                                                                                                                                                                                                                                                                                                                       R------EGVIISASQEQIRELTRDDSESRRWHIRRGGESSRG----PYNLENKRPL 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           King, Nina E.
Sampson, Hugh A.
Helm, Ricki M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QQKGRK 416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Burks Jr., A. Wesley
Stanley, J. Steven
Cockrell, Gael
                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                      13.5%; Score 476; DB 4; Length 33: 34.8%; Pred. No. 9.5e-35; Ative 55; Mismatches 114; Indels
                                                     331
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 335;
                                                                                                                                                                                                                                                                                                                                                                                                                       50;
                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                      -GQQ 416
                                                                                                                                                                                                                                  177
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